HAYWARD®

FLOW CONTROL

Complete Price Book

Effective October 25th, 2021

define
design
deliver

21 QUALITY | SERVICE | INTEGRITY

Hayward's Statement of Quality Policy

Through the commitment to continuously improve our quality management system, Hayward Flow Control shall provide our customers, both internal and external, the resources, environment, products and service required to meet and exceed their expectations.

NSF/ANSI Standard 61 and NSF/ANSI 372

NSF/ANSI Standard 61 is a standard defining the requirements for products that are destined for use in drinking water systems. In summary, the standard requires immersion testing of all products that will come into contact with drinking water for any chemicals, compounds, elements, etc. that may leach into the water that passes through the product.

Hayward products that are NSF 61 certified can easily be found on the NSF website, www.NSF.org. Additionally, those products certified to NSF61-G are also certified to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland and Louisiana state laws and the U.S. Safe Drinking Water Act.

The following Hayward Flow Control products comply with this directive:

PRODUCT	SIZE	WATER CONTACT TEMP	WATER CONTACT MATERIAL
TBH SERIES BALL VALVES *(including vented ball)*			
Hayward True Union Ball Valve (PVC)	**1/4" - 6"**	**CLD23**	MLTPL
Hayward True Union Ball Valve (CPVC)	**1/4" - 6"**	**CLD23**	MLTPL
CVH SERIES BALL VALVES *(including vented ball)*			
CVH Series Ball Valve (CPVC)	**1/4" - 6"**	**CLD 23**	MLTPL
CVH Series Ball Valve (PVC)	**1/4" - 6"**	**CLD 23**	MLTPL
TB SERIES BALL VALVES *(including vented ball)*			
Hayward True Union Ball Valve (PVC)	**1/4" - 4"**	**CLD23**	MLTPL
Hayward True Union Ball Valve (CPVC)	**1/4" - 4"**	**CLD23**	MLTPL
TC SERIES CHECK VALVES			
Hayward True Union Ball Check Valve (PVC)	**1/4" - 4"**	**CLD23**	MLTPL
Hayward True Union Ball Check Valve (CPVC)	**1/4" - 4"**	**CLD23**	MLTPL
BYV SERIES BUTTERFLY VALVES			
Hayward Butterfly Valve (PVC/EPDM)	**2" - 12"**	**CLD23**	MLTPL
Hayward Butterfly Valve (CPVC/EPDM)	**4" - 12"**	**D. HOT**	MLTPL
BYCN SERIES BUTTERFLY VALVES (PVC/EPDM)*	**2" - 8"**	**CLD23**	MLTPL
SIMPLEX SB SERIES STRAINERS**			
Hayward Simplex Basket Strainer (PVC)	**1/2" - 8"**	**CLD23**	MLTPL
Hayward Simplex Basket Strainer (CPVC)	**1/2" - 8"**	**D. HOT**	MLTPL
BFA SERIES (PVC/EPDM) BULKHEAD	**1/2" - 6"**	**CLD23**	MLTPL
BFAS SERIES (PVC/EPDM) BULKHEAD	**1/2" - 3"**	**CLD23**	MLTPL
FLOW CONTROL VALVES			
Universal Stopcock™	**1/4"**	**CLD23**	MLTPL
RPV SERIES PRESSURE RELIEF VALVES	**1/2" - 4"*****	**CLD23**	MLTPL
PBV SERIES BACK PRESSURE VALVES	**1/2" - 4"*****	**CLD23**	MLTPL

* Certified for use in distribution systems only.
** Certified for use in water treatment plant applications only with a minimum daily flow rate of 3,120 gallons.
*** See listing for specific size and material combination.
NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing.
Always consult NSF Listing online as changes and updates may occur.

CERTIFIED ISO 9001

ABS TYPE APPROVED PRODUCT

BACKED BY HAYWARD FLOW CONTROL'S EXCLUSIVE THREE YEAR WARRANTY

Metric Pricing

Metric sizes and pricing are available for select products. See the Hayward Metric Price List.

THERMOPLASTIC VALVES & ACCESSORIES

Ball Valves

		Price Code
TBH Series True Union Ball Valves	4	(A1)
Actuator Ready TBH Series True Union Ball Valves	5	(A1)
TB Series True Union Ball Valves	6-7	(A1)
Actuator Ready TB Series True Union Ball Valves	7	(A2)
EA Series Automated True Union Ball Valves	8	(A2)
EAU Series Automated True Union Ball Valves	8	(A2)
ECP Series Automated True Union Ball Valves	8	(A2)
HRS/PM Series Automated True Union Ball Valves	9	(A2)
PCD/PCS Series Automated True Union Ball Valves	10	(A2)
PMD Series Automated with TBH True Union Ball Valves	11	(A2)
PMS Series Automated True Union Ball Valves	11	(A2)
TBH Series with "Z-Ball" True Union Ball Valves	12	(A1)
Actuator Ready TBH Series with "Z-Ball" TU Ball Valves	13	(A1)
CVH Series Profile2™ Proportional Control TU Ball Valves	14	(F1)
Actuator Ready CVH Series Profile2™ Control Ball Valves	15	(F1)
Drill Ball	16	(A1)
Wrenches, Nuts, Stem Extensions and Tags	16	
TBB Series True Union Ball Valves	17	(A4)
QTA Series True Union Compact Ball Valves	18	(A4)
QV Series QIC2™ Compact Ball Valves	18	(A1)
QVC Series Compact Ball Valves	18	(A5)
TW Series Three-Way True Union Ball Valves	19	(A3)
Actuator Ready TW Series Three-Way Ball Valves	20	(A2)
LA Series Lateral Three-Way True Union Ball Valves	21	(A3)
Actuator Ready LA Series Lateral Three Way Ball Valves	22	(A2)

Check Valves

		Price Code
TC Series True Union Ball Check Valves	24-25	(B1)
True Union Ball Check Foot Valve Screens	25	(B2)
YC Series Y-Check Valves	26	(B2)
YC Series True Union Y-Check Valves	27	(B2)
SLC Series Spring Loaded Y-Check Valves	28	(B3)
SLC Series Spring-Loaded True Union Y-Check Valves	28	(B3)
SW Series Swing Check Valves	29	(B4)
WCV Series Full Pattern Wafer Check Valves	30	(B5)

Butterfly Valves

		Price Code
BYV Series Butterfly Valves	31-34	(C1)
Actuator Ready BYV Series Butterfly Valves	35-36	(C1)
ECP Series Automated Butterfly Valves	37	(C4)
HRS Series Automated Butterfly Valves	37	(C4)
PMD/PMS Series Automated Butterfly Valves	37	(C4)
PCD/PCS Series Automated Butterfly Valves	38	(C4)
BYB Series Butterfly Valves	39	(POA)
Actuator Ready BYB Series Butterfly Valves	40	(POA)
BYCS/BYCN Series Butterfly Valves	41	(C2)
Lock Out Caps - BYV	42	(C1)
Butterfly Valve Options - BYV	42	(C1)
Stem Extension Options	42-43	(C3)

ACTUATORS & CONTROLS

		Price Code
LHB Series Manual Limit Switch for TBH & BYV Series	44	(E1)
SV Series True Union Solenoid Valves	45	(E2)
Electric Actuators & Accessories	46-56	(E3)
Pneumatic Actuators & Accessories	57-61	(E3)

PRESSURE & FLOW CONTROL

		Price Code
DAB Series Diaphragm Valves	62-64	(F1)
RV Series Pressure Relief Valves	65	(F2)
PR Series Pressure Regulator Valves	65	(F2)
AV Series Angle Globe Valves	65	(F3)
PBV Series Diaphragm Back Pressure Valves	66	(K1)
RPV Series Diaphragm Pressure Relief Valves	67	(K1)
CS Series Corporation Stops	68	(K1)
IV Series Injection Valves	68	(K1)
IQ Series Injection Quills	68	(K1)
CCS Series Calibration Cylinders	69	(K1)

PRESSURE & FLOW CONTROL (cont.)

		Price Code
NVA Series Needle Valves	69	(F3)
Universal Stopcock	69	(F3)

STRAINERS

		Price Code
SB Series Simplex Basket Strainers	70-72	(H1)
Drain Kit for SB & DB Series	72	(H1)
DB Series Duplex Basket Strainers	73	(H1)
Optional 316 Stainless Steel Baskets	73	(H1)
SB and DB Series Extra/Replacement Baskets	74	(H1)
YS Series Y-Strainers	75	(H2)
YS Series True Union Y-Strainers	76	(H2)

FILTRATION

		Price Code
FLV Series Bag Filters	77-79	(D1)
PVC & CPVC FLV Series Bag Filters	80-81	(D1)
Filter Bags	82-83	(D2)
CFLV Series Cartridge Filters	84-85	(D1)
CFLV Series Cartridge Filter Adapter Kits	86	(D1)
FLV Series Stainless Steel Baskets	87	(D2)
Single Cartridge Filters For 2-1/2" Cartridges	87	(D2)
Filter Cartridges	88	(D2)
FLV and CFLV Series Options	89	(D1)
LS Series Aquatic Sand Filter	90	(D3)
HCF Series Commercial Sand Filter	90	(D3)

INSTRUMENTATION

		Price Code
Level Sensors	91	(K2)
Controllers and Displays	91	(K2)
Flow Meters	92	(K2)
Electrodes	92	(K3)
GG Series Gauges & Gauge Guards	93-94	(F3)

PUMPS

		Price Code
Z Series Solenoid Diaphragm Metering Pumps	95	(K3)
Z Series Multifunction Valve	95	(K3)
A-Series LifeStar® and LifeStar®VS Aquatic Pumps	96	(M1)
LifeStar®MV Aquatic Pump	97	(M1)
R Series Magnetic Drive Pumps	98-99	(M2)
T Series Vertical Immersible Pumps	100	(M2)
D & S Series Vertical Immersible Pumps	101-103	(M2)

BULKHEAD FITTINGS & TANK ACCESSORIES

		Price Code
BFAS Series Bulkhead Fittings	104	(G1)
BFA Series Bulkhead Fittings	105-106	(G1)
AR Series Air Release Valves	106	(F3)
SF Series Self-Aligning Bulkhead Fittings	106	(G2)
Ready Flanges	107	(G2)

PARTS

		Price Code
Ball & Check Valves	107-115	(PART)
Butterfly Valves	116	(C1)
Solenoid Valves	117	(E1)
Pressure & Flow Control Valves	117-120	(PART)
Strainers & Filters	121-125	(PART)
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TRUE UNION BALL VALVES

TBH Series true union ball valves are offered in PVC and CPVC.
*System2™ Sealing Technology provides longer cycle life.**
O-rings are FPM or EPDM and seats are PTFE.
All valves are assembled with silicone free lubricant.

NSF

NEW LARGE SIZES

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (V0000)	EPDM (E0000)	PART NO.	FPM (V0000)	EPDM (E0000)
1/4"	Socket	12	TBH1025A0S(XXXXX)	$85.85	$85.85	TBH2025A0S(XXXXX)	$119.65	$119.65
	Threaded	12	TBH1025A0T(XXXXX)	$85.85	$85.85	TBH2025A0T(XXXXX)	$119.65	$119.65
3/8"	Socket	12	TBH1037A0S(XXXXX)	$85.85	$85.85	TBH2037A0S(XXXXX)	$119.65	$119.65
	Threaded	12	TBH1037A0T(XXXXX)	$85.85	$85.85	TBH2037A0T(XXXXX)	$119.65	$119.65
	Skt/Thd**	12	TBH1050AST(XXXXX)	$85.85	$75.40	TBH2050AST(XXXXX)	$119.65	$112.35
1/2"	Socket	12	TBH1050A0S(XXXXX)	$84.05	$71.70	TBH2050A0S(XXXXX)	$113.70	$106.80
	Flanged	1	TBH1050A0F(XXXXX)	$128.80	$115.75	TBH2050A0F(XXXXX)	$168.55	$156.50
	Skt/Thd**	12	TBH1075AST(XXXXX)	$101.30	$93.05	TBH2075AST(XXXXX)	$148.65	$141.45
3/4"	Socket	12	TBH1075A0S(XXXXX)	$99.30	$88.40	TBH2075A0S(XXXXX)	$141.25	$134.50
	Flanged	1	TBH1075A0F(XXXXX)	$159.50	$146.05	TBH2075A0F(XXXXX)	$199.75	$186.30
	Skt/Thd**	12	TBH1100AST(XXXXX)	$123.05	$107.65	TBH2100AST(XXXXX)	$181.80	$171.60
1"	Socket	12	TBH1100A0S(XXXXX)	$116.95	$102.20	TBH2100A0S(XXXXX)	$172.80	$163.05
	Flanged	1	TBH1100A0F(XXXXX)	$197.60	$178.20	TBH2100A0F(XXXXX)	$264.80	$245.40
	Skt/Thd**	1	TBH1125AST(XXXXX)	$163.20	$142.70	TBH2125AST(XXXXX)	$251.45	$238.90
1-1/4"	Socket	1	TBH1125A0S(XXXXX)	$154.95	$135.70	TBH2125A0S(XXXXX)	$238.95	$226.95
	Flanged	1	TBH1125A0F(XXXXX)	$240.35	$208.60	TBH2125A0F(XXXXX)	$316.20	$277.05
	Skt/Thd**	1	TBH1150AST(XXXXX)	$200.25	$179.80	TBH2150AST(XXXXX)	$301.10	$284.55
1-1/2"	Socket	1	TBH1150A0S(XXXXX)	$190.35	$170.75	TBH2150A0S(XXXXX)	$286.10	$270.35
	Flanged	1	TBH1150A0F(XXXXX)	$272.05	$254.75	TBH2150A0F(XXXXX)	$369.55	$341.90
	Skt/Thd**	1	TBH1200AST(XXXXX)	$262.35	$235.55	TBH2200AST(XXXXX)	$413.35	$392.45
2"	Socket	1	TBH1200A0S(XXXXX)	$249.30	$223.75	TBH2200A0S(XXXXX)	$392.70	$372.90
	Flanged	1	TBH1200A0F(XXXXX)	$427.55	$391.90	TBH2200A0F(XXXXX)	$696.90	$615.65
	Socket	1	TBH1250A0S(XXXXX)	$644.10	$545.75	TBH2250A0S(XXXXX)	$1,214.40	$1,140.90
2-1/2"	Threaded	1	TBH1250A0T(XXXXX)	$644.10	$545.75	TBH2250A0T(XXXXX)	$1,214.40	$1,140.90
	Flanged	1	TBH1250A0F(XXXXX)	$960.55	$813.80	TBH2250A0F(XXXXX)	$1,453.70	$1,232.55
	Socket	1	TBH1300A0S(XXXXX)	$665.65	$565.00	TBH2300A0S(XXXXX)	$1,252.05	$1,175.70
3"	Threaded	1	TBH1300A0T(XXXXX)	$665.65	$565.00	TBH2300A0T(XXXXX)	$1,252.05	$1,175.70
	Flanged	1	TBH1300A0F(XXXXX)	$1,038.75	$879.90	TBH2300A0F(XXXXX)	$1,385.95	$1,382.85
	Socket	1	TBH1400A0S(XXXXX)	$1,123.65	$994.20	TBH2400A0S(XXXXX)	$2,111.10	$2,016.75
4"	Threaded	1	TBH1400A0T(XXXXX)	$1,123.65	$994.20	TBH2400A0T(XXXXX)	$2,111.10	$2,016.75
	Flanged	1	TBH1400A0F(XXXXX)	$2,028.50	$1,795.55	TBH2400A0F(XXXXX)	$3,384.25	$3,189.95
6"	Flanged***	1	TBH1600A0F(XXXXX)	$2,636.75	$2,533.70	TBH2600A0F(XXXXX)	$4,350.25	$4,134.85

* System2™ Sealing Technology not available for sizes 2-1/2" to 6".
** Valves have socket and threaded end connections.
*** 4" valve venturied to 6".

TBH SERIES
TRUE UNION BALL VALVES
ACTUATION READY

NSF 1/2" - 2"

TBH Series true union ball valves are offered in PVC and CPVC.
*System2™ Sealing Technology provides longer cycle life.**
O-rings are FPM or EPDM and seats are PTFE.
All valves are assembled with silicone free lubricant.

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (VK000)	EPDM (EK000)	PART NO.	FPM (VK000)	EPDM (EK000)
	Skt/Thd**	12	TBH1050AST(XXXXX)	$81.55	$71.70	TBH2050AST(XXXXX)	$113.70	$106.80
1/2"	Socket	12	TBH1050A0S(XXXXX)	$80.00	$68.10	TBH2050A0S(XXXXX)	$108.00	$101.35
	Flanged	1	TBH1050A0F(XXXXX)	$124.45	$109.00	TBH2050A0F(XXXXX)	$162.65	$150.85
	Skt/Thd**	12	TBH1075AST(XXXXX)	$96.25	$88.40	TBH2075AST(XXXXX)	$141.25	$134.50
3/4"	Socket	12	TBH1075A0S(XXXXX)	$94.35	$83.95	TBH2075A0S(XXXXX)	$134.15	$127.65
	Flanged	1	TBH1075A0F(XXXXX)	$154.45	$138.70	TBH2075A0F(XXXXX)	$192.35	$179.25
	Skt/Thd**	12	TBH1100AST(XXXXX)	$116.95	$102.20	TBH2100AST(XXXXX)	$172.80	$163.05
1"	Socket	12	TBH1100A0S(XXXXX)	$111.10	$97.15	TBH2100A0S(XXXXX)	$164.10	$154.85
	Flanged	1	TBH1100A0F(XXXXX)	$191.50	$172.90	TBH2100A0F(XXXXX)	$255.75	$236.95
	Skt/Thd**	1	TBH1125AST(XXXXX)	$154.95	$135.70	TBH2125AST(XXXXX)	$238.95	$226.95
1-1/4"	Socket	1	TBH1125A0S(XXXXX)	$147.35	$128.85	TBH2125A0S(XXXXX)	$226.95	$215.65
	Flanged	1	TBH1125A0F(XXXXX)	$232.25	$201.50	TBH2125A0F(XXXXX)	$286.15	$264.40
	Skt/Thd**	1	TBH1150AST(XXXXX)	$190.35	$170.75	TBH2150AST(XXXXX)	$286.10	$270.35
1-1/2"	Socket	1	TBH1150A0S(XXXXX)	$180.95	$162.20	TBH2150A0S(XXXXX)	$271.80	$256.90
	Flanged	1	TBH1150A0F(XXXXX)	$262.10	$245.80	TBH2150A0F(XXXXX)	$354.55	$327.75
	Skt/Thd**	1	TBH1200AST(XXXXX)	$249.30	$223.75	TBH2200AST(XXXXX)	$392.70	$372.90
2"	Socket	1	TBH1200A0S(XXXXX)	$236.85	$212.60	TBH2200A0S(XXXXX)	$373.10	$354.30
	Flanged	1	TBH1200A0F(XXXXX)	$413.65	$380.15	TBH2200A0F(XXXXX)	$676.25	$595.45
	Socket	1	TBH1250A0S(XXXXX)	$615.70	$520.00	TBH2250A0S(XXXXX)	$1,169.40	$1,098.30
2-1/2"	Threaded	1	TBH1250A0T(XXXXX)	$615.70	$520.00	TBH2250A0T(XXXXX)	$1,169.40	$1,098.30
	Flanged	1	TBH1250A0F(XXXXX)	$932.25	$788.05	TBH2250A0F(XXXXX)	$1,408.70	$1,036.95
	Socket	1	TBH1300A0S(XXXXX)	$636.70	$538.75	TBH2300A0S(XXXXX)	$1,205.75	$1,132.45
3"	Threaded	1	TBH1300A0T(XXXXX)	$636.70	$538.75	TBH2300A0T(XXXXX)	$1,194.30	$1,132.45
	Flanged	1	TBH1300A0F(XXXXX)	$1,009.80	$853.65	TBH2300A0F(XXXXX)	$1,339.65	$1,339.65
	Socket	1	TBH1400A0S(XXXXX)	$1,082.00	$955.40	TBH2400A0S(XXXXX)	$2,075.30	$1,948.55
4"	Threaded	1	TBH1400A0T(XXXXX)	$1,082.00	$955.40	TBH2400A0T(XXXXX)	$2,075.30	$2,075.30
	Flanged	1	TBH1400A0F(XXXXX)	$1,986.80	$1,756.75	TBH2400A0F(XXXXX)	$3,348.45	$3,156.40
6"	Flanged***	1	TBH1600A0F(XXXXX)	$2,595.10	$2,494.95	TBH2600A0F(XXXXX)	$4,314.50	$4,101.35

* System2™ Sealing Technology not available for sizes 2-1/2" to 6".
** Valves have socket and threaded end connections.
*** 4" valve venturied to 6".
For actuation mounting and hardware list price table see **Page 16**.

TB SERIES TRUE UNION BALL VALVES

TB Series true union ball valves are offered in Platinum GFPP and PVDF. O-rings are FPM or EPDM and seats are PTFE. All valves are assembled with silicone free lubricant. Mounting kit not included unless sold with actuator.

SIZE	END CONN.	CTN QTY.	GFPP***	LIST PRICE		PVDF	LIST PRICE	
			PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	TB4P050T(X	**$153.95**	**$133.25**	TB5050T	**$492.60**	-
	Skt Fusion	12	TB4P050S(X)	**$153.95**	**$133.25**	TB5050S	**$492.60**	-
	Flanged	12	N/A	-	-	N/A	-	-
3/4"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	TB4P075T(X)	**$186.85**	**$162.15**	TB5075T	**$655.05**	-
	Skt Fusion	12	TB4P075S(X)	**$186.85**	**$162.15**	TB5075S	**$655.05**	-
	Flanged	12	N/A	-	-	N/A	-	-
1"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	TB4P100T(X	**$218.55**	**$198.85**	TB5100T	**$957.00**	-
	Skt Fusion	12	TB4P100S(X)	**$218.55**	**$198.85**	TB5100S	**$957.00**	-
	Flanged	6	TB4P100F(X)	**$716.55**	**$629.50**	N/A	-	-
1-1/4"	Skt/Thd*	6	N/A	-	-	N/A	-	-
	Threaded	6	TB4P125T(X)	**$323.55**	**$280.05**	N/A	-	-
	Skt Fusion	6	TB4P125S(X)	**$323.55**	**$280.05**	N/A	-	-
	Flanged	6	TB4P125F(X)	**$813.20**	**$736.45**	N/A	-	-
1-1/2"	Skt/Thd*	6	N/A	-	-	N/A	-	-
	Threaded	6	TB4P150T(X)	**$370.05**	**$329.85**	N/A	-	-
	Skt Fusion	6	TB4P150S(X)	**$370.05**	**$329.85**	N/A	-	-
	Flanged	6	TB4P150F(X)	**$1,079.90**	**$975.65**	N/A	-	-
2"	Skt/Thd*	1	N/A	-	-	N/A	-	-
	Threaded	1	TB4P200T(X)	**$502.30**	**$440.20**	N/A	-	-
	Skt Fusion	1	TB4P200S(X)	**$502.30**	**$440.20**	N/A	-	-
	Flanged	1	TB4P200F(X)	**$1,079.90**	**$975.65**	N/A	-	-

* 1/2" - 2" valves are supplied with socket and threaded end connectors.
** 4" valve venturied to 6".
*** Metric sizes and pricing are available. See the Hayward Metric Price Book. Polypropylene available upon request.

TB SERIES TRUE UNION BALL VALVES **ACTUATION READY**

TB Series true union ball valves are offered in Platinum GFPP and PVDF. O-rings are FPM or EPDM and seats are PTFE. All valves are assembled with silicone free lubricant. Mounting kit not included unless sold with actuator.

SIZE	END CONN.	CTN QTY.	GFPP***	LIST PRICE		PVDF	LIST PRICE	
			PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	HCTB4P050TACT(X)	**$188.45**	**$163.45**	HCTB5050SACTV	**$278.65**	-
	Skt Fusion	12	HCTB4P050SACT(X)	**$188.45**	**$163.45**	HCTB4P050SACT(X)	**$278.65**	-
	Flanged	12	N/A	-	-	N/A	-	-
3/4"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	HCTB4P075TACT(X)	**$197.70**	**$184.90**	HCTB5075TACTV	**$344.90**	-
	Skt Fusion	12	HCTB4P075SACT(X)	**$197.70**	**$184.90**	HCTB5075SACTV	**$344.90**	-
	Flanged	12	N/A	-	-	N/A	-	-
1"	Skt/Thd*	12	N/A	-	-	N/A	-	-
	Threaded	12	HCTB4P100TACT(X)	**$231.25**	**$222.20**	HCTB5100TACTV	**$510.10**	-
	Skt Fusion	12	HCTB4P100SACT(X)	**$231.25**	**$222.20**	HCTB5100SACTV	**$510.10**	-
	Flanged	6	HCTB4P100FACT(X)	**$265.15**	**$244.95**	N/A	-	-
1-1/4"	Skt/Thd*	6	N/A	-	-	N/A	-	-
	Threaded	6	HCTB4P125TACT(X)	**$259.00**	**$225.15**	N/A	-	-
	Skt Fusion	6	HCTB4P125SACT(X)	**$259.00**	**$225.15**	N/A	-	-
	Flanged	6	HCTB4P125FACT(X)	**$345.95**	**$316.05**	N/A	-	-
1-1/2"	Skt/Thd*	6	N/A	-	-	N/A	-	-
	Threaded	6	HCTB4P150TACT(X)	**$276.75**	**$271.40**	N/A	-	-
	Skt Fusion	6	HCTB4P150SACT(X)	**$276.75**	**$271.40**	N/A	-	-
	Flanged	6	HCTB4P150FACT(X)	**$355.50**	**$342.65**	N/A	-	-
2"	Skt/Thd*	1	N/A	-	-	N/A	-	-
	Threaded	1	HCTB4P200TACT(X)	**$353.35**	**$330.20**	N/A	-	-
	Skt Fusion	1	HCTB4P200SACT(X)	**$353.35**	**$330.20**	N/A	-	-
	Flanged	1	HCTB4P200FACT(X)	**$502.30**	**$453.90**	N/A	-	-

* 1/2" - 2" valves are supplied with socket and threaded end connectors.
** 4" valve venturied to 6".
*** Metric sizes and pricing are available. See the Hayward Metric Price Book.
Polypropylene available upon request.

EA1 SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

Low cost 115 VAC electric actuator, mounted to the NEW TBH Series true union ball valve. Valve available with EPDM seals and socket and threaded end connections. Price includes assembled valve and actuator. For replacement actuator, contact factory.

PVC/EPDM SEALS			
SIZE	**END CONN.**	**PART NO.**	**LIST PRICE**
1/2"	Socket/Threaded	EATBH105STE	**$386.55**
3/4"	Socket/Threaded	EATBH107STE	**$394.15**
1"	Socket/Threaded	EATBH110STE	**$405.60**
1-1/4"	Socket/Threaded	EATBH112STE	**$428.55**
1-1/2"	Socket/Threaded	EATBH115STE	**$428.55**
2"	Socket/Threaded	EATBH120STE	**$449.75**

EAU1 SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

Full featured EAU1 Series 120 VAC standard electric actuator with prewired terminal strip and one auxiliary limit switch, mounted to the NEW TBH Series true union ball valve. Valve has socket and threaded end connections. Price includes assembled valve and actuator.

SIZE	**END CONN.**	**PVC**	**LIST PRICE**		**CPVC**	**LIST PRICE**	
		PART NO.	**FPM (V)**	**EPDM (E)**	**PART NO.**	**FPM (V)**	**EPDM (E)**
1/2"	Skt/Thd	EAUTBH105ST(X)	**$538.65**	**$538.65**	EAUTBH205ST(X)	**$578.05**	**$576.15**
3/4"	Skt/Thd	EAUTBH107ST(X)	**$547.85**	**$547.85**	EAUTBH207ST(X)	**$591.25**	**$587.45**
1"	Skt/Thd	EAUTBH110ST(X)	**$574.65**	**$574.65**	EAUTBH210ST(X)	**$634.45**	**$628.50**
1-1/4"	Skt/Thd	EAUTBH112ST(X)	**$588.90**	**$588.90**	EAUTBH212S(X)	**$653.75**	**$650.15**
1-1/2"	Skt/Thd	EAUTBH115ST(X)	**$588.90**	**$588.90**	EAUTBH215ST(X)	**$653.75**	**$650.15**
2"	Skt/Thd	EAUTBH120ST(X)	**$635.40**	**$635.40**	EAUTBH220ST(X)	**$722.10**	**$714.15**

ECP SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

High performance ECP3 Series 24-265VAC/VDC electric actuator with two auxiliary limit switches, mounted to a TBH Series true union ball valve. Valve has socket and threaded end connections. Price includes assembled valve and actuator.

SIZE	**END CONN.**	**PVC**	**LIST PRICE**		**CPVC**	**LIST PRICE**	
		PART NO.	**FPM (V)**	**EPDM (E)**	**PART NO.**	**FPM (V)**	**EPDM (E)**
1/2"	Skt/Thd	ECPTBH105ST(X)	**$692.95**	**$688.90**	ECPTBH205ST(X)	**$705.25**	**$702.55**
3/4"	Skt/Thd	ECPTBH107ST(X)	**$698.50**	**$695.75**	ECPTBH207ST(X)	**$716.15**	**$713.35**
1"	Skt/Thd	ECPTBH110ST(X)	**$706.60**	**$701.15**	ECPTBH210ST(X)	**$728.35**	**$724.35**
1-1/4"	Skt/Thd	ECPTBH112ST(X)	**$721.25**	**$714.50**	ECPTBH212ST(X)	**$754.80**	**$749.45**
1-1/2"	Skt/Thd	ECPTBH115ST(X)	**$735.15**	**$728.35**	ECPTBH215ST(X)	**$773.30**	**$766.50**
2"	Skt/Thd	ECPTBH120ST(X)	**$759.65**	**$748.75**	ECPTBH220ST(X)	**$815.45**	**$807.35**

HRS SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

High performance HRS Series 120VAC electric on/off actuator mounted to a TBH Series true union ball valve. Valve has socket and threaded end connections. Price includes assembled valve and actuator.

SIZE	END CONN.	PVC			CPVC		
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	HRSTBH105ST(X)	$899.15	$895.25	HRSTBH205ST(X)	$912.30	$909.45
3/4"	Skt/Thd	HRSTBH107ST(X)	$905.20	$902.00	HRSTBH207ST(X)	$923.40	$920.70
1"	Skt/Thd	HRSTBH110ST(X)	$913.65	$907.65	HRSTBH210ST(X)	$936.30	$932.40
1-1/4"	Skt/Thd	HRSTBH112ST(X)	$950.10	$942.20	HRSTBH212ST(X)	$984.30	$979.45
1-1/2"	Skt/Thd	HRSTBH115ST(X)	$964.65	$956.55	HRSTBH215ST(X)	$1,003.55	$997.10
2"	Skt/Thd	HRSTBH120ST(X)	$988.60	$978.20	HRSTBH220ST(X)	$1,046.95	$1,038.85

PM SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

*Cost effective, rack-and-pinion pneumatically actuated PMD or PMS Series actuator mounted to a TBH Series true union ball valve. Valve has socket and threaded end connections. Price includes assembled valve and **bare** actuator.*

DOUBLE ACTING

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PMDTBH105ST(X)	$392.15	$388.35	PMDTBH205ST(X)	$404.75	$402.00
3/4"	Skt/Thd	PMDTBH107ST(X)	$397.95	$394.85	PMDTBH207ST(X)	$415.50	$412.80
1"	Skt/Thd	PMDTBH110ST(X)	$405.90	$400.30	PMDTBH210ST(X)	$427.60	$423.85
1-1/4"	Skt/Thd	PMDTBH112ST(X)	$440.95	$433.30	PMDTBH212ST(X)	$473.55	$468.80
1-1/2"	Skt/Thd	PMDTBH115ST(X)	$454.65	$446.95	PMDTBH215ST(X)	$491.80	$485.65
2"	Skt/Thd	PMDTBH120ST(X)	$477.45	$467.60	PMDTBH220ST(X)	$533.15	$525.50

All actuator sizing based on 80 PSI air.

SPRING RETURN

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PMSTBH105ST(X)	$435.30	$431.50	PMSTBH205ST(X)	$447.80	$445.10
3/4"	Skt/Thd	PMSTBH107ST(X)	$441.05	$437.95	PMSTBH207ST(X)	$458.55	$455.95
1"	Skt/Thd	PMSTBH110ST(X)	$449.00	$443.35	PMSTBH210ST(X)	$470.75	$467.00
1-1/4"	Skt/Thd	PMSTBH112ST(X)	$484.00	$476.40	PMSTBH212ST(X)	$516.55	$511.80
1-1/2"	Skt/Thd	PMSTBH115ST(X)	$497.75	$490.05	PMSTBH215ST(X)	$534.95	$528.70
2"	Skt/Thd	PMSTBH120ST(X)	$520.50	$510.60	PMSTBH220ST(X)	$576.20	$568.60

All actuator sizing based on 80 PSI air.
Valves spring closed unless specified otherwise.

PCD/PCS SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

*Industrial grade, rack-and-pinion pneumatically actuated PCD or PCS Series actuator mounted to a TBH Series true union ball valve. Valve has socket and threaded end connections. Price includes assembled valve and **bare** actuator.*

DOUBLE ACTING

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PCDTBH105ST(X)	$517.20	$513.70	PCDTBH205ST(X)	$528.60	$526.20
3/4"	Skt/Thd	PCDTBH107ST(X)	$522.35	$519.70	PCDTBH207ST(X)	$538.45	$535.95
1"	Skt/Thd	PCDTBH110ST(X)	$529.75	$524.55	PCDTBH210ST(X)	$549.60	$546.15
1-1/4"	Skt/Thd	PCDTBH112ST(X)	$561.75	$554.85	PCDTBH212ST(X)	$591.50	$587.25
1-1/2"	Skt/Thd	PCDTBH115ST(X)	$574.25	$567.30	PCDTBH215ST(X)	$608.35	$602.70
2"	Skt/Thd	PCDTBH120ST(X)	$595.20	$586.15	PCDTBH220ST(X)	$646.10	$639.15

All actuator sizing based on 80 PSI air.

SPRING RETURN

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PCSTBH105ST(X)	$562.75	$559.30	PCSTBH205ST(X)	$574.10	$571.65
3/4"	Skt/Thd	PCSTBH107ST(X)	$567.95	$565.20	PCSTBH207ST(X)	$583.95	$581.50
1"	Skt/Thd	PCSTBH110ST(X)	$575.20	$570.15	PCSTBH210ST(X)	$595.15	$591.75
1-1/4"	Skt/Thd	PCSTBH112ST(X)	$738.50	$731.50	PCSTBH212ST(X)	$768.30	$764.05
1-1/2"	Skt/Thd	PCSTBH115ST(X)	$751.00	$744.05	PCSTBH215ST(X)	$785.00	$779.45
2"	Skt/Thd	PCSTBH120ST(X)	$772.00	$762.85	PCSTBH220ST(X)	$822.95	$815.95

All actuator sizing based on 80 PSI air.
Valves spring closed unless specified otherwise.

PMD SERIES AUTOMATED WITH TBH TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

*Cost effective, rack-and-pinion pneumatically actuated PMD Series actuator and TBH Series true union ball valve complete **with solenoid**. Valve has socket and threaded end connections. Price includes assembled valve actuator.*

DOUBLE ACTING

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PMDTBH105ST(X)A8	$620.50	$608.60	PMDTBH205ST(X)A8	$660.20	$633.80
3/4"	Skt/Thd	PMDTBH107ST(X)A8	$630.95	$617.30	PMDTBH207ST(X)A8	$672.30	$647.15
1"	Skt/Thd	PMDTBH110ST(X)A8	$652.85	$640.70	PMDTBH210ST(X)A8	$708.15	$693.55
1-1/2"	Skt/Thd	PMDTBH115ST(X)A8	$676.25	$658.90	PMDTBH215ST(X)A8	$740.15	$726.30
2"	Skt/Thd	PMDTBH120ST(X)A8	$724.25	$704.05	PMDTBH220ST(X)A8	$806.20	$783.60

All actuator sizing based on 80 PSI air.

PMS SERIES AUTOMATED TRUE UNION BALL VALVES

Quik-Ship Ready in 24HRS

NSF

*Cost effective, rack-and-pinion pneumatically actuated PMS Series actuator and TBH Series true union ball valve complete **with solenoid**. Valve has socket and threaded end connections. Price includes assembled valve and actuator.*

SPRING RETURN

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd	PMSTBH105ST(X)A9	$665.85	$653.15	PMSTBH205ST(X)A9	$722.15	$693.20
3/4"	Skt/Thd	PMSTBH107ST(X)A9	$676.30	$661.60	PMSTBH207ST(X)A9	$705.95	$691.40
1"	Skt/Thd	PMSTBH110ST(X)A9	$698.65	$685.45	PMSTBH210ST(X)A9	$770.20	$741.45
1-1/2"	Skt/Thd	PMSTBH115ST(X)A9	$717.95	$699.60	PMSTBH215ST(X)A9	$786.25	$771.50
2"	Skt/Thd	PMSTBH120ST(X)A9	$754.10	$733.00	PMSTBH220ST(X)A9	$852.45	$828.60

All actuator sizing based on 80 PSI air.
Valves spring closed unless specified otherwise.

TBH SERIES WITH "Z-BALL" TRUE UNION BALL VALVES

Drilled ball and FPM o-rings ONLY for use with Sodium Hypochlorite specifically. For other vented applications, consult factory.

NEW LARGE SIZES

NSF

SIZE	END CONN.	CTN QTY.	PVC / FPM		CPVC / FPM	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TBH1050ASTV0Z00	$141.80	TBH2050ASTV0Z00	$175.75
	Flanged	1	TBH1050A0FV0Z00	$184.70	TBH2050A0FV0Z00	$224.70
3/4"	Skt/Thd*	12	TBH1075ASTV0Z00	$157.20	TBH2075ASTV0Z00	$204.85
	Flanged	1	TBH1075A0FV0Z00	$215.45	TBH2075A0FV0Z00	$255.95
1"	Skt/Thd*	12	TBH1100ASTV0Z00	$178.95	TBH2100ASTV0Z00	$238.05
	Flanged	1	TBH1100A0FV0Z00	$253.50	TBH2100A0FV0Z00	$321.00
1-1/4"	Skt/Thd*	6	TBH1125ASTV0Z00	$219.10	TBH2125ASTV0Z00	$307.65
	Flanged	1	TBH1125A0FV0Z00	$296.30	TBH2125A0FV0Z00	$372.35
1-1/2"	Skt/Thd*	6	TBH1150ASTV0Z00	$256.20	TBH2150ASTV0Z00	$357.30
	Flanged	1	TBH1150A0FV0Z00	$327.90	TBH2150A0FV0Z00	$425.75
2"	Skt/Thd*	1	TBH1200ASTV0Z00	$318.30	TBH2200ASTV0Z00	$469.60
	Flanged	1	TBH1200A0FV0Z00	$483.45	TBH2200A0FV0Z00	$753.20
2-1/2"	Socket	1	TBH1250A0SV0Z00	$740.95	TBH2250A0SV0Z00	$1,312.45
	Threaded	1	TBH1250A0TV0Z00	$740.95	TBH2250A0TV0Z00	$1,312.45
	Flanged	1	TBH1250A0FV0Z00	$1,042.25	TBH2250A0FV0Z00	$1,529.55
3"	Socket	1	TBH1300A0SV0Z00	$762.60	TBH2300A0SV0Z00	$1,350.35
	Threaded	1	TBH1300A0TV0Z00	$762.60	TBH2300A0TV0Z00	$1,350.35
	Flanged	1	TBH1300A0FV0Z00	$1,135.60	TBH2300A0FV0Z00	$1,518.75
4"	Socket	1	TBH1400A0SV0Z00	$1,220.40	TBH2400A0SV0Z00	$2,245.50
	Threaded	1	TBH1400A0TV0Z00	$1,220.40	TBH2400A0TV0Z00	$2,245.50
	Flanged	1	TBH1400A0FV0Z00	$2,097.30	TBH2400A0FV0Z00	$3,518.50
6"	Flanged	1	TBH1600A0FV0Z00	$2,734.40	TBH2600A0FV0Z00	$4,696.85

*1/2" - 2" valves are supplied with socket and threaded end connectors.
4" valve venturied to 6".
Consult factory for TB-Z Series pricing and availability.

TBH SERIES WITH "Z-BALL" TRUE UNION BALL VALVES **ACTUATION READY**

Drilled ball and FPM o-rings ONLY for use with Sodium Hypochlorite specifically. For other vented applications, consult factory.

SIZE	END CONN.	CTN QTY.	PVC / FPM		CPVC / FPM	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Skt/Thd**	12	TBH1050ASTVKZ00	$137.50	TBH2050ASTVKZ00	$166.30
	Flanged	1	TBH1050A0FVKZ00	$180.35	TBH2050A0FVKZ00	$215.20
3/4"	Skt/Thd**	12	TBH1075ASTVKZ00	$152.20	TBH2075ASTVKZ00	$195.35
	Flanged	1	TBH1075A0FVKZ00	$210.40	TBH2075A0FVKZ00	$250.95
1"	Skt/Thd**	12	TBH1100ASTVKZ00	$173.10	TBH2100ASTVKZ00	$232.30
	Flanged	1	TBH1100A0FVKZ00	$247.65	TBH2100A0FVKZ00	$315.30
1-1/4"	Skt/Thd**	6	TBH1125ASTVKZ00	$211.45	TBH2125ASTVKZ00	$299.95
	Flanged	1	TBH1125A0FVKZ00	$288.60	TBH2125A0FVKZ00	$364.65
1-1/2"	Skt/Thd**	6	TBH1150ASTVKZ00	$246.65	TBH2150ASTVKZ00	$347.85
	Flanged	1	TBH1150A0FVKZ00	$318.45	TBH2150A0FVKZ00	$416.30
2"	Skt/Thd**	1	TBH1200ASTVKZ00	$305.65	TBH2200ASTVKZ00	$457.00
	Flanged	1	TBH1200A0FVKZ00	$470.80	TBH2200A0FVKZ00	$740.55
2-1/2"	Socket	1	TBH1250A0SVKZ00	$709.80	TBH2250A0SVKZ00	$1,264.70
	Threaded	1	TBH1250A0TVKZ00	$709.80	TBH2250A0TVKZ00	$1,264.70
	Flanged	1	TBH1250A0FVKZ00	$1,011.10	TBH2250A0FVKZ00	$1,481.80
3"	Socket	1	TBH1300A0SVKZ00	$730.75	TBH2300A0SVKZ00	$1,301.45
	Threaded	1	TBH1300A0TVKZ00	$730.75	TBH2300A0TVKZ00	$1,301.45
	Flanged	1	TBH1300A0FVKZ00	$1,103.85	TBH2300A0FVKZ00	$1,469.85
4"	Socket	1	TBH1400A0SVKZ00	$1,175.30	TBH2400A0SVKZ00	$2,170.50
	Threaded	1	TBH1400A0TVKZ00	$1,175.30	TBH2400A0TVKZ00	$2,170.50
	Flanged	1	TBH1400A0FVKZ00	$2,052.15	TBH2400A0FVKZ00	$3,443.65
6"	Flanged	1	TBH1600A0FVKZ00	$2,689.25	TBH2600A0FVKZ00	$4,622.00

* 4" valve venturied to 6".
** Valves have socket and threaded end connections.
For actuation mounting and hardware list price table see **page 16**.

CVH SERIES PROFILE2™ PROPORTIONAL CONTROL TRUE UNION BALL VALVES

NSF

NEW LARGE SIZES

Provides two linear flow curves – one for fast opening, one for slow opening. System2™ Sealing Technology provides longer cycle life. Slow opening shipped standard. Fast open on request.*

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (V0A00)	EPDM (E0A00)	PART NO.	FPM (V0A00)	EPDM (E0A00)
1/2"	Skt/Thd**	12	CVH1050AST(XXXXX)	$158.45	$152.25	CVH2050AST(XXXXX)	$186.65	$180.40
	Flanged	1	CVH1050A0F(XXXXX)	$174.95	$167.70	CVH2050A0F(XXXXX)	$205.40	$197.40
3/4"	Skt/Thd**	12	CVH1075AST(XXXXX)	$158.45	$152.25	CVH2075AST(XXXXX)	$186.65	$180.40
	Flanged	1	CVH1075A0F(XXXXX)	$180.90	$172.55	CVH2075A0F(XXXXX)	$206.30	$197.70
1"	Skt/Thd**	12	CVH1100AST(XXXXX)	$158.45	$152.25	CVH2100AST(XXXXX)	$186.65	$180.40
	Flanged	1	CVH1100A0F(XXXXX)	$187.10	$179.45	CVH2100A0F(XXXXX)	$218.45	$208.75
2"	Skt/Thd**	1	CVH1200AST(XXXXX)	$254.35	$235.70	CVH2200AST(XXXXX)	$325.00	$310.30
	Flanged	1	CVH1200A0F(XXXXX)	$317.60	$295.55	CVH2200A0F(XXXXX)	$433.45	$395.80
3"	Socket	1	CVH1300A0S(XXXXX)	$476.90	$431.50	CVH2300A0S(XXXXX)	$741.95	$697.85
	Threaded	1	CVH1300A0T(XXXXX)	$476.90	$431.50	CVH2300A0T(XXXXX)	$741.95	$697.85
	Flanged	1	CVH1300A0F(XXXXX)	$736.05	$692.35	CVH2300A0F(XXXXX)	$1,007.05	$968.70
4"	Socket	1	CVH1400A0S(XXXXX)	$717.50	$659.30	CVH2400A0S(XXXXX)	$1,175.20	$1,118.80
	Threaded	1	CVH1400A0T(XXXXX)	$717.50	$659.30	CVH2400A0T(XXXXX)	$1,175.20	$1,118.80
	Flanged	1	CVH1400A0F(XXXXX)	$1,235.20	$1,181.25	CVH2400A0F(XXXXX)	$1,705.35	$1,645.70
6"	Flanged***	1	CVH1600A0F(XXXXX)	$1,582.05	$1,526.25	CVH2600A0F(XXXXX)	$2,056.70	$1,998.20

* System2™ Sealing Technology not available for sizes 2-1/2" to 6".
** Valves have socket and threaded end connections.
*** 4" valve venturied to 6".
Profile2™ is a trademark of Hayward Industries, Inc.
Consult Factory for CV Series pricing and availability.

CVH SERIES PROFILE2™ PROPORTIONAL CONTROL TRUE UNION BALL VALVES **ACTUATION READY**

NSF 1/2" - 2"

Provides two linear flow curves – one for fast opening, one for slow opening.
*System2™ Sealing Technology provides longer cycle life.**
Slow opening shipped standard. Fast open on request.

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (VKA00)	EPDM (EKA00)	PART NO.	FPM (VKA00)	EPDM (EKA00)
1/2"	Skt/Thd**	12	CVH1050AST(XXXXX)	$156.95	$150.90	CVH2050AST(XXXXX)	$184.45	$178.40
	Flanged	1	CVH1050A0F(XXXXX)	$173.30	$166.30	CVH2050A0F(XXXXX)	$203.10	$195.30
3/4"	Skt/Thd**	12	CVH1075AST(XXXXX)	$156.60	$150.55	CVH2075AST(XXXXX)	$183.85	$177.75
	Flanged	1	CVH1075A0F(XXXXX)	$178.90	$170.80	CVH2075A0F(XXXXX)	$203.40	$194.95
1"	Skt/Thd**	12	CVH1100AST(XXXXX)	$156.25	$150.20	CVH2100AST(XXXXX)	$183.25	$177.30
	Flanged	1	CVH1100A0F(XXXXX)	$184.70	$177.35	CVH2100A0F(XXXXX)	$215.00	$205.45
2"	Skt/Thd**	1	CVH1200AST(XXXXX)	$249.35	$231.20	CVH2200AST(XXXXX)	$317.10	$302.85
	Flanged	1	CVH1200A0F(XXXXX)	$312.55	$291.05	CVH2200A0F(XXXXX)	$425.60	$388.15
3"	Socket	1	CVH1300A0S(XXXXX)	$459.10	$415.05	CVH2300A0S(XXXXX)	$716.50	$673.70
	Threaded	1	CVH1300A0T(XXXXX)	$459.10	$415.05	CVH2300A0T(XXXXX)	$716.50	$673.70
	Flanged	1	CVH1300A0F(XXXXX)	$718.30	$676.00	CVH2300A0F(XXXXX)	$981.60	$936.60
4"	Socket	1	CVH1400A0S(XXXXX)	$692.75	$636.30	CVH2400A0S(XXXXX)	$1,137.10	$1,082.30
	Threaded	1	CVH1400A0T(XXXXX)	$692.75	$636.30	CVH2400A0T(XXXXX)	$1,137.10	$1,082.30
	Flanged	1	CVH1400A0F(XXXXX)	$1,210.50	$1,158.30	CVH2400A0F(XXXXX)	$1,667.30	$1,609.35
6"	Flanged***	1	CVH1600A0F(XXXXX)	$1,557.30	$1,503.30	CVH2600A0F(XXXXX)	$2,018.70	$1,961.85

* System2™ Sealing Technology not available for sizes 2-1/2" to 6".
** Valves have socket and threaded end connections.
*** 4" valve venturied to 6".
For actuation mounting and hardware list price table see **page 16**.
Profile2™ is a trademark of Hayward Industries, Inc.

TRUE UNION BALL VALVE OPTIONS & ACCESSORIES

Option prices are ADDED to the list price of the valve.

SIZE	PART NO.	LIST PRICE
2" Square Operating Nut - TBH Series		
1/2" - 3/4"	SQNUTTBH5	**$197.65**
1	SQNUTTBH1	**$197.65**
1-1/4" - 2"	SQNUTTBH2	**$197.65**
2-1/2" - 6"	SQNUTTBH4	**$197.65**
Seal Retainer Wrench - TB Series		
1/4" - 2"	TBSRW	**$46.20**
Seal Retainer Wrench - TBH Series		
2-1/2" - 6"	TBHSRW34	**$45.30**
Seal Retainer Disassembly Wrench - TBH Series		
1/4" - 2"	TBHSRW	**$46.20**
Valve Tags		
316 SSTL	YSS2	**$50.30**
Paper	YPT1	**$12.70**

STEM EXTENSION KITS

VALVE SIZE	KIT PART NO.	LIST PRICE
TBHEXTK075	1/4" - 3/4"	**$22.00**
TBHEXTK100	1"	**$24.30**
TBHEXTK200	1-1/4" - 2"	**$24.30**
TBHEXTK400	2-1/2" - 6"	**$37.95**

DRILLED BALL OPTION - TBH EPDM*

SIZE	PART NO.	LIST
1/2" - 2"	TBHXXXXXXXEXDXX	**$64.10**
2-1/2" - 6"	TBHXXXXXXXEXDXX	**$100.40**

*Not for Sodium Hypochlorite

ACTUATION HARDWARE AND ASSEMBLY - TBH SERIES

SIZE	PART NO.*	LIST PRICE
1/2"-1"	TBHMKT1	**$90.10**
1-1/4"-2"	TBHMKT2	**$110.75**
2-1/2"-6"	TBHMKT3	**$149.45**

* The above part numbers are not for ordering extra hardware or mounting kits.
Please contact Customer Service for actuator mounting kit part numbers for specific actuator to valve combinations.

COUPLINGS - TBH SERIES

VALVE SIZE	PART NO.	LIST PRICE
TBH/CVH ISO Coupling 9mm 1/4"-2" SSTL	CPXTBH09P	**$27.25**
TBH/CVH ISO Coupling 11mm 1/4"-2" SSTL	CPXTBH11P	**$27.25**
TBH/CVH ISO Coupling 14mm 1/4"-2" SSTL	CPXTBH14P	**$27.25**

GEAR BOX OPTION - TBH

SIZE	PART NO.	LIST
2-1/2" - 6"	GBTB6	**$700.95**

TBB SERIES
TRUE UNION BALL VALVES

All TBB Series True Union Ball Valves have PTFE seats and are cost effective, yet rugged enough to stand up to the most demanding applications.

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE		PVDF / FPM	
			PART NO.	FPM (FG)	EPDM (EG)	PART NO.	FPM (FG)	EPDM (EG)	PART NO.	LIST PRICE
1/2"	Skt/Thd	48	TBB1005CP(XX)	**$79.60**	**$67.15**	TBB2005CP(XX)	**$114.50**	**$95.60**	TBB5005SPFW*	**POA**
	Threaded	48	N/A	-	-	N/A	-	-	TBB5005TPFW	**POA**
3/4"	Skt/Thd	36	TBB1007CP(XX)	**$89.55**	**$74.65**	TBB2007CP(XX)	**$138.10**	**$114.50**	TBB5007SPFW*	**POA**
	Threaded	36	N/A	-	-	N/A	-	-	TBB5007TPFW	**POA**
1"	Skt/Thd	24	TBB1010CP(XX)	**$104.35**	**$89.55**	TBB2010CP(XX)	**$175.25**	**$143.55**	TBB5010SPFW*	**POA**
	Threaded	24	N/A	-	-	N/A	-	-	TBB5010TPFW	**POA**
1-1/4"	Skt/Thd	24	TBB1012CP(XX)	**$151.75**	**$129.30**	TBB2012CP(XX)	**$254.55**	**$212.30**	TBB5012SPFW*	**POA**
	Threaded	24	N/A	-	-	N/A	-	-	TBB5012TPFW	**POA**
1-1/2"	Skt/Thd	24	TBB1015CP(XX)	**$166.75**	**$151.75**	TBB2015CP(XX)	**$286.55**	**$238.95**	TBB5015SPFW*	**POA**
	Threaded	24	N/A	-	-	N/A	-	-	TBB5015TPFW	**POA**
2"	Skt/Thd	12	TBB1020CP(XX)	**$221.35**	**$206.45**	TBB2020CP(XX)	**$387.35**	**$321.20**	TBB5020SPFW*	**POA**
	Threaded	12	N/A	-	-	N/A	-	-	TBB5020TPFW	**POA**
2-1/2"	Socket	12	TBB1025SP(XX)	**$442.00**	**$387.60**	TBB2025SP(XX)	**$819.55**	**$684.20**	TBB5025SPFW*	**POA**
	Threaded	12	TBB1025TP(XX)	**$442.00**	**$387.60**	TBB2025TP(XX)	**$819.55**	**$684.20**	TBB5025TPFW	**POA**
3"	Socket	6	TBB1030SP(XX)	**$548.90**	**$469.60**	TBB2030SP(XX)	**$1,129.70**	**$944.15**	TBB5030SPFW*	**POA**
	Threaded	6	TBB1030TP(XX)	**$548.90**	**$469.60**	TBB2030TP(XX)	**$1,129.70**	**$944.15**	TBB5030TPFW	**POA**
4"	Socket	1	TBB1040SP(XX)	**$1,099.85**	**$826.85**	TBB2040SP(XX)	**$1,906.50**	**$1,590.90**	TBB5040SPFW*	**POA**
	Threaded	1	TBB1040TP(XX)	**$1,099.85**	**$826.85**	TBB2040TP(XX)	**$1,906.50**	**$1,590.90**	TBB5040TPFW	**POA**

Flanged end connections available upon request.
POA = Priced On Availability, consult factory for pricing and availability.

Socket fusion ends are available upon request.

QTA SERIES
TRUE UNION COMPACT BALL VALVES

All QTA Series True Union Compact Ball Valves have EPDM o-rings and Santoprene (TPV) seats.

SIZE	END CONN.	CTN QTY.	PART NO.	LIST PRICE GRAY (G)	LIST PRICE WHITE (W)
1/2"	Skt/Thd	200	QTA1005CSE(X)	**$16.05**	**$16.05**
3/4"	Skt/Thd	160	QTA1007CSE(X)	**$21.95**	**$21.95**
1"	Skt/Thd	96	QTA1010CSE(X)	**$33.90**	**$33.90**
1-1/4"	Skt/Thd	72	QTA1012CSE(X)	**$47.45**	**$47.45**
1-1/2"	Skt/Thd	45	QTA1015CSE(X)	**$60.00**	**$60.00**
2"	Skt/Thd	36	QTA1020CSE(X)	**$88.90**	**$88.90**

QV SERIES QIC2™ COMPACT BALL VALVES

All QIC2™ Ball Valves have EPDM o-rings and PTFE seats.

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Socket	24	QV1T050SE	**$49.65**	**1-1/4"**	Socket	6	QV1T125SE	**$132.90**
	Threaded	12	QV1T050TE	**$49.65**		Threaded	6	QV1T125TE	**$132.90**
3/4"	Socket	12	QV1T075SE	**$63.80**	**1-1/2"**	Socket	6	QV1T150SE	**$132.90**
	Threaded	12	QV1T075TE	**$63.80**		Threaded	6	QV1T150TE	**$132.90**
1"	Socket	12	QV1T100SE	**$75.35**	**2"**	Socket	1	QV1T200SE	**$173.35**
	Threaded	6	QV1T100TE	**$75.35**		Threaded	1	QV1T200TE	**$173.35**

QIC2™ is a trademark of Hayward Industries, Inc.

QVC SERIES
COMPACT BALL VALVES

All QVC Series Compact Ball Valves have EPDM o-rings and Santoprene (TPV) seats. ***Order quantity by bag only.***

SIZE	END CONN.	BAG QTY.	PART NO.	LIST PRICE GRAY (G)	LIST PRICE WHITE (W)
1/2"	Socket	10	QVC1005SSE(X)	**$5.65**	**$5.65**
	Threaded	10	QVC1005TSE(X)	**$5.65**	**$5.65**
3/4"	Socket	10	QVC1007SSE(X)	**$7.50**	**$7.50**
	Threaded	10	QVC1007TSE(X)	**$7.50**	**$7.50**
1"	Socket	10	QVC1010SSE(X)	**$11.55**	**$11.55**
	Threaded	10	QVC1010TSE(X)	**$11.55**	**$11.55**
1-1/4"	Socket	10	QVC1012SSE(X)	**$15.85**	**$15.85**
	Threaded	10	QVC1012TSE(X)	**$15.85**	**$15.85**
1-1/2"	Socket	5	QVC1015SSE(X)	**$19.50**	**$19.50**
	Threaded	5	QVC1015TSE(X)	**$19.50**	**$19.50**
2"	Socket	5	QVC1020SSE(X)	**$28.55**	**$28.55**
	Threaded	5	QVC1020TSE(X)	**$28.55**	**$28.55**
2-1/2"	Socket	12*	QVC1025SSE(X)	**$94.70**	**$94.70**
	Threaded	12*	QVC1025TSE(X)	**$94.70**	**$94.70**
3"	Socket	8*	QVC1030SSE(X)	**$151.15**	**$151.15**
	Threaded	8*	QVC1030TSE(X)	**$151.15**	**$151.15**
4"	Socket	6*	QVC1040SSE(X)	**$273.50**	**$273.50**
	Threaded	6*	QVC1040TSE(X)	**$273.50**	**$273.50**

* 2-1/2" and up are Carton Quantities. No BAG quantity requirement.

TW SERIES
THREE-WAY TRUE UNION BALL VALVES

One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
• Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals
• TW Ball Standard • NT or TP Balls Available at No Extra Cost • Consult Factory for Part Number

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd*	24	TW1050ST(X)	$125.05	$115.35	TW2050ST(X)	$188.95	$174.45
	Flanged	12	TW1050F(X)	$246.70	$238.25	TW2050F(X)	$379.55	$366.25
3/4"	Skt/Thd*	12	TW1075ST(X)	$148.25	$136.00	TW2075ST(X)	$196.05	$196.05
	Flanged	12	TW1075F(X)	$262.10	$251.60	TW2075F(X)	$425.00	$403.95
1"	Skt/Thd*	12	TW1100ST(X)	$180.15	$165.30	TW2100ST(X)	$277.15	$248.80
	Flanged	6	TW1100F(X)	$310.10	$295.20	TW2100F(X)	$460.55	$437.45
1-1/4"	Skt/Thd*	6	TW1125ST(X)	$235.60	$199.95	TW2125ST(X)	$362.35	$307.45
	Flanged	6	TW1125F(X)	$530.70	$505.10	TW2125F(X)	$787.35	$747.80
1-1/2"	Skt/Thd*	6	TW1150ST(X)	$253.45	$231.15	TW2150ST(X)	$389.70	$355.40
	Flanged	6	TW1150F(X)	$598.00	$567.10	TW2150F(X)	$871.00	$844.55
2"	Skt/Thd*	1	TW1200ST(X)	$322.10	$283.55	TW2200ST(X)	$506.25	$435.95
	Flanged	1	TW1200F(X)	$806.50	$766.15	TW2200F(X)	$1,197.90	$1,139.30
2-1/2"	Socket	1	TW1250S(X)	$1,007.75	$996.60	TW2250S(X)	$1,550.35	$1,533.05
	Threaded	1	TW1250T(X)	$1,007.75	$996.60	TW2250T(X)	$1,550.35	$1,533.05
	Flanged	1	TW1250F(X)	$1,746.40	$1,581.75	TW2250F(X)	$2,618.05	$2,433.20
3"	Socket	1	TW1300S(X)	$1,026.05	$1,016.95	TW2300S(X)	$1,545.10	$1,564.45
	Threaded	1	TW1300T(X)	$1,026.05	$1,016.95	TW2300T(X)	$1,545.10	$1,564.45
	Flanged	1	TW1300F(X)	$1,746.40	$1,603.55	TW2300F(X)	$2,618.05	$2,467.10
4"	Socket	1	TW1400S(X)	$1,774.90	$1,757.70	TW2400S(X)	$2,730.55	$2,704.10
	Threaded	1	TW1400T(X)	$1,774.90	$1,757.70	TW2400T(X)	$2,730.55	$2,704.10
	Flanged	1	TW1400F(X)	$2,441.60	$2,331.20	TW2400F(X)	$3,756.30	$3,621.80
6"**	Flanged	1	TW1600F(X)	$3,873.10	$3,873.10	TW2600F(X)	$6,381.10	$6,381.10

* 1/2" - 2" valves are supplied with socket and threaded end connectors.
** 4" valve venturied to 6".

TW SERIES THREE-WAY BALL VALVES **ACTUATION READY**

• One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design • Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals • NT Ball Standard; TW or TP Balls Available at No Extra Cost • Consult Factory for Part Number. Mounting kit not included unless sold with actuator.

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (V)	EPDM (E)	PART NO.	FPM (V)	EPDM (E)
1/2"	Skt/Thd*	24	HCTN1050ST(X)	$142.40	$135.80	HCTN2050ST(X)	$171.80	$164.65
	Flanged	12	HCTN1050F(X)	$213.35	$214.05	HCTN2050F(X)	$271.15	$268.55
3/4"	Skt/Thd*	12	HCTN1075ST(X)	$159.25	$150.20	HCTN2075ST(X)	$175.45	$181.05
	Flanged	12	HCTN1075F(X)	$232.60	$231.55	HCTN2075F(X)	$306.30	$302.10
1"	Skt/Thd*	12	HCTN1100ST(X)	$213.30	$201.20	HCTN2100ST(X)	$268.65	$248.80
	Flanged	6	HCTN1100F(X)	$292.95	$288.90	HCTN2100F(X)	$358.40	$354.25
1-1/4"	Skt/Thd*	6	HCTN1125ST(X)	$237.40	$206.40	HCTN2125ST(X)	$301.70	$265.00
	Flanged	6	HCTN1125F(X)	$365.20	$343.90	HCTN2125F(X)	$406.40	$387.55
1-1/2"	Skt/Thd*	6	HCTN1150ST(X)	$228.90	$217.25	HCTN2150ST(X)	$288.70	$274.05
	Flanged	6	HCTN1150F(X)	$430.40	$425.90	HCTN2150F(X)	$520.55	$526.30
2"	Skt/Thd*	1	HCTN1200ST(X)	$297.45	$272.05	HCTN2200ST(X)	$385.35	$345.85
	Flanged	1	HCTN1200F(X)	$626.15	$619.80	HCTN2200F(X)	$754.05	$747.80
2-1/2"	Socket	1	HCTN1250S(X)	$883.60	$862.70	HCTN2250S(X)	$1,253.75	$1,232.85
	Threaded	1	HCTN1250T(X)	$883.60	$862.70	HCTN2250T(X)	$1,253.75	$1,232.85
	Flanged	1	HCTN1250F(X)	$1,217.10	$1,095.70	HCTN2250F(X)	$1,679.45	$1,556.60
3"	Socket	1	HCTN1300S(X)	$899.50	$880.40	HCTN2300S(X)	$1,249.60	$1,258.15
	Threaded	1	HCTN1300T(X)	$899.50	$880.40	HCTN2300T(X)	$1,249.60	$1,258.15
	Flanged	1	HCTN1300F(X)	$1,217.10	$1,110.85	HCTN2300F(X)	$1,679.45	$1,578.25
4"	Socket	1	HCTN1400S(X)	$1,383.30	$1,364.30	HCTN2400S(X)	$1,904.35	$1,886.30
	Threaded	1	HCTN1400T(X)	$1,383.30	$1,364.30	HCTN2400T(X)	$1,904.35	$1,886.30
	Flanged	1	HCTN1400F(X)	$1,564.85	$1,490.15	HCTN2400F(X)	$2,286.65	$2,209.70
6"**	Flanged	1	HCTN1600F(X)	$2,308.55	$2,311.35	HCTN2600F(X)	$3,614.70	$3,628.85

* 1/2" thru 2" valves are supplied with both socket and threaded end connections.
** 4" valve venturied to 6".

LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVES

All Lateral Three-Way Ball Valves are assembled with silicone free lubricant and have PTFE seats.

- *One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design*
- *Double O-Ring Stem Seals*
- *90° Turn or 180°; Depending on Required Flow Pattern**

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd**	24	LA1050ST(X)	$125.75	$115.95	LA2050ST(X)	$188.95	$177.40
	Flanged	12	LA1050F(X)	$247.20	$236.60	LA2050F(X)	$379.55	$366.25
3/4"	Skt/Thd**	12	LA1075ST(X)	$139.05	$137.45	LA2075ST(X)	$227.75	$209.20
	Flanged	12	LA1075F(X)	$248.85	$247.20	LA2075F(X)	$403.05	$386.75
1"	Skt/Thd**	12	LA1100ST(X)	$165.00	$165.00	LA2100ST(X)	$277.15	$248.80
	Flanged	6	LA1100F(X)	$328.80	$313.60	LA2100F(X)	$596.85	$465.60
1-1/4"	Skt/Thd**	6	LA1125ST(X)	$195.30	$193.15	LA2125ST(X)	$362.35	$307.45
	Flanged	6	LA1125F(X)	$562.80	$546.50	LA2125F(X)	$1,099.30	$794.65
1-1/2"	Skt/Thd**	6	LA1150ST(X)	$228.25	$228.25	LA2150ST(X)	$389.70	$355.40
	Flanged	6	LA1150F(X)	$611.20	$580.45	LA2150F(X)	$1,111.35	$861.90
2"	Skt/Thd**	1	LA1200ST(X)	$279.95	$274.05	LA2200ST(X)	$506.25	$435.95
	Flanged	1	LA1200F(X)	$823.55	$783.10	LA2200F(X)	$1,458.45	$1,162.25
2-1/2"	Socket	1	LA1250S(X)	$943.50	$923.70	LA2250S(X)	$1,550.35	$1,533.05
	Threaded	1	LA1250T(X)	$943.50	$923.70	LA2250T(X)	$1,550.35	$1,533.05
	Flanged	1	LA1250F(X)	$1,574.85	$1,541.80	LA2250F(X)	$2,836.05	$2,433.20
3"	Socket	1	LA1300S(X)	$997.50	$962.70	LA2300S(X)	$1,578.25	$1,564.45
	Threaded	1	LA1300T(X)	$997.50	$962.70	LA2300T(X)	$1,578.25	$1,564.45
	Flanged	1	LA1300F(X)	$1,782.70	$1,595.60	LA2300F(X)	$2,854.75	$2,467.10
4"	Socket	1	LA1400S(X)	$1,763.00	$1,743.45	LA2400S(X)	$2,730.55	$2,704.10
	Threaded	1	LA1400T(X)	$1,763.00	$1,743.45	LA2400T(X)	$2,730.55	$2,704.10
	Flanged	1	LA1400F(X)	$2,533.80	$2,317.95	LA2400F(X)	$3,756.30	$3,621.80
6"***	Flanged	1	LA1600F(X)	$4,678.35	$4,630.75	LA2600F(X)	$7,013.50	$6,805.60

* T port requires 180° actuation and L port requires 90° actuation.
** 1/2" thru 2" valves are supplied with both socket and threaded end connections.
*** 4" valve venturied to 6".
****For 90° or 180° Ball option, add $50.00 to List Price.

LA SERIES LATERAL THREE-WAY BALL VALVES **ACTUATION READY**

• One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
• Double O-Ring Stem Seals
*• 90° Turn or 180°; Depending on Required Flow Pattern**

These prices include a mounting kit and installation when purchased with an actuator.

SIZE	END CONN.	CTN QTY.	PVC	LIST PRICE		CPVC	LIST PRICE	
			PART NO.	FPM (V90)	EPDM (E90)	PART NO.	FPM (V90)	EPDM (E90)
1/2"	Skt/Thd**	24	HCLA1050ST(XXX)	$175.70	$165.60	HCLA2050ST(XXX)	$209.15	$204.00
	Flanged	12	HCLA1050F(XXX)	$260.75	$259.90	HCLA2050F(XXX)	$332.35	$328.40
3/4"	Skt/Thd**	12	HCLA1075ST(XXX)	$180.50	$188.00	HCLA2075ST(XXX)	$249.40	$235.20
	Flanged	12	HCLA1075F(XXX)	$267.80	$279.65	HCLA2075F(XXX)	$354.85	$355.50
1"	Skt/Thd**	12	HCLA1100ST(XXX)	$239.05	$246.20	HCLA2100ST(XXX)	$328.40	$304.70
	Flanged	6	HCLA1100F(XXX)	$381.80	$375.25	HCLA2100F(XXX)	$567.80	$461.40
1-1/4"	Skt/Thd**	6	HCLA1125ST(XXX)	$238.25	$245.85	HCLA2125ST(XXX)	$369.50	$325.25
	Flanged	6	HCLA1125F(XXX)	$474.50	$456.65	HCLA2125F(XXX)	$695.00	$504.70
1-1/2"	Skt/Thd**	6	HCLA1150ST(XXX)	$252.35	$249.80	HCLA2150ST(XXX)	$353.85	$334.90
	Flanged	6	HCLA1150F(XXX)	$540.75	$534.05	HCLA2150F(XXX)	$814.55	$658.45
2"	Skt/Thd**	1	HCLA1200ST(XXX)	$310.50	$329.10	HCLA2200ST(XXX)	$471.45	$423.45
	Flanged	1	HCLA1200F(XXX)	$783.10	$774.65	HCLA2200F(XXX)	$1,125.55	$935.35
2-1/2"	Socket	1	HCLA1250S(XXX)	$990.75	$1,000.05	HCLA2250S(XXX)	$1,536.50	$1,509.40
	Threaded	1	HCLA1250T(XXX)	$990.75	$1,000.05	HCLA2250T(XXX)	$1,536.50	$1,509.40
	Flanged	1	HCLA1250F(XXX)	$1,315.60	$1,336.00	HCLA2250F(XXX)	$2,229.80	$1,907.90
3"	Socket	1	HCLA1300S(XXX)	$1,070.10	$1,020.40	HCLA2300S(XXX)	$1,564.25	$1,540.35
	Threaded	1	HCLA1300T(XXX)	$1,070.10	$1,020.40	HCLA2300T(XXX)	$1,564.25	$1,540.35
	Flanged	1	HCLA1300F(XXX)	$1,521.40	$1,353.50	HCLA2300F(XXX)	$2,244.50	$1,934.45
4"	Socket	1	HCLA1400S(XXX)	$1,682.35	$1,659.35	HCLA2400S(XXX)	$2,333.90	$2,312.50
	Threaded	1	HCLA1400T(XXX)	$1,682.35	$1,659.35	HCLA2400T(XXX)	$2,333.90	$2,312.50
	Flanged	1	HCLA1400F(XXX)	$1,989.90	$1,815.50	HCLA2400F(XXX)	$2,801.45	$2,708.90
6"***	Flanged	1	HCLA1600F(XXX)	$3,416.85	$3,386.55	HCLA2600F(XXX)	$4,867.25	$4,743.85

* T port requires 180° actuation and L port requires 90° actuation.
** 1/2" thru 2" valves are supplied with both socket and threaded end connections.
*** 4" valve venturied to 6".

NOTES

TC SERIES
TRUE UNION BALL CHECK VALVES

All Ball Check Valves are assembled with silicone free lubricant.

PVC 1/4" - 4"
CPVC 1/2" - 4"

*SIZE	END CONN.	CTN QTY.	PVC PART NO.	LIST PRICE FPM	LIST PRICE EPDM (E)	CPVC PART NO.	LIST PRICE FPM	LIST PRICE EPDM (E)
1/4"***	Socket	12	TC10025S(X)	$96.10	-	-	-	-
	Threaded	12	TC10025T(X)	$96.10	-	-	-	-
3/8"***	Socket	12	TC10037S(X)	$96.10	-	-	-	-
	Threaded	12	TC10037T(X)	$96.10	-	-	-	-
1/2"	Skt/Thd*	12	TC10050ST(X)	$109.25	$96.10	TC20050ST(X)	$173.30	$158.05
	Flanged	12	TC10050F(X)	$264.05	$198.65	TC20050F(X)	$335.60	$269.75
3/4"	Skt/Thd*	12	TC10075ST(X)	$122.20	$109.25	TC20075ST(X)	$204.15	$182.20
	Flanged	12	TC10075F(X)	$300.90	$235.45	TC20075F(X)	$388.25	$311.55
1"	Skt/Thd*	12	TC10100ST(X)	$155.35	$137.75	TC20100ST(X)	$245.65	$228.20
	Flanged	6	TC10100F(X)	$386.00	$305.20	TC20100F(X)	$484.65	$401.40
1-1/4"	Skt/Thd*	6	TC10125ST(X)	$257.25	$223.05	TC20125ST(X)	$425.45	$388.25
	Flanged	6	TC10125F(X)	$641.00	$510.20	TC20125F(X)	$787.05	$749.75
1-1/2"	Skt/Thd*	6	TC10150ST(X)	$257.25	$223.05	TC20150ST(X)	$425.45	$388.25
	Flanged	6	TC10150F(X)	$717.45	$564.70	TC20150F(X)	$881.45	$837.25
2"	Skt/Thd*	1	TC10200ST(X)	$344.70	$313.95	TC20200ST(X)	$568.00	$513.20
	Flanged	1	TC10200F(X)	$665.15	$623.60	TC20200F(X)	$1,162.50	$1,028.45
2-1/2"	Socket	1	TC1250S(X)	$783.60	$737.20	TC2250S(X)	$1,434.40	$1,222.45
	Threaded	1	TC1250T(X)	$783.60	$737.20	TC2250T(X)	$1,434.40	$1,222.45
	Flanged	1	TC1250F(X)	$1,340.70	$1,228.50	TC2250F(X)	$1,910.50	$1,868.90
3"	Socket	1	TC1300S(X)	$803.60	$759.35	TC2300S(X)	$1,479.50	$1,222.45
	Threaded	1	TC1300T(X)	$803.60	$759.35	TC2300T(X)	$1,479.50	$1,222.45
	Flanged	1	TC1300F(X)	$1,626.35	$1,545.20	TC2300F(X)	$2,624.60	$2,188.25
4"	Socket	1	TC1400S(X)	$1,582.25	$1,525.60	TC2400S(X)	$2,981.50	$2,653.75
	Threaded	1	TC1400T(X)	$1,582.25	$1,525.60	TC2400T(X)	$2,981.50	$2,653.75
	Flanged	1	TC1400F(X)	$2,510.40	$2,430.20	TC2400F(X)	$4,415.85	$3,931.60
6"**	Flanged	1	TC1600F(X)	$3,388.45	$3,279.40	TC2600F(X)	$5,958.75	$5,307.50

* 1/2" - 2" PVC and CPVC valves are supplied with socket and threaded end connectors.
** 4" valve venturied to 6".
*** Trim check design only.
**** Metric sizes and pricing are available. See the Hayward Metric Price Book.

TC SERIES
TRUE UNION BALL CHECK VALVES (cont.)

All Ball Check Valves are assembled with silicone free lubricant.

NSF
PVC 1/4" - 4"
CPVC 1/2" - 4"

NEW

*SIZE	END CONN.	CTN QTY.	PP**** PART NO.	LIST PRICE FPM	LIST PRICE EPDM (E)
1/2"	Threaded	12	TC30050T(X)	$248.40	$198.85
	Skt Fusion	12	TC30050S(X)	$248.40	$198.85
3/4"	Threaded	12	TC30075T(X)	$299.85	$240.05
	Skt Fusion	12	TC30075S(X)	$299.85	$240.05
1"	Threaded	12	TC30100T(X)	$353.80	$282.95
	Skt Fusion	12	TC30100S(X)	$353.80	$282.95
1-1/2"	Threaded	6	TC30150T(X)	$590.30	$472.20
	Skt Fusion	12	TC30150S(X)	$590.30	$542.00
2"	Threaded	1	TC30200T(X)	$793.65	$635.10
	Skt Fusion	12	TC30200S(X)	$793.65	$635.10

SIZE	END CONN.	CTN QTY.	PVDF***** PART NO.	LIST PRICE FPM
1/4"	Threaded	12	TC50025T	$666.15
	Skt Fusion	12	TC50025S	$666.15
3/8"	Threaded	12	TC50037T	$666.15
	Skt Fusion	12	TC50037S	$666.15
1/2"	Threaded	12	TC50050T	$666.15
	Skt Fusion	12	TC50050S	$666.15
3/4"	Threaded	12	TC50075T	$871.25
	Skt Fusion	12	TC50075S	$871.25
1"	Threaded	12	TC50100T	$1,073.20
	Skt Fusion	12	TC50100S	$1,073.20

* 1/2" - 2" PVC and CPVC valves are supplied with socket and threaded end connectors.
** 4" valve venturied to 6".
*** Trim check design only.
**** Metric sizes and pricing are available. See the Hayward Metric Price Book.

*****PTFE Ball with FPM Seals

TRUE UNION BALL CHECK FOOT VALVE SCREENS

Used to convert True Union Ball Check Valves to foot valves. Nominal 3/16" Perf.

SIZE	PVC PART NO.	PVC LIST PRICE	CPVC PART NO.	CPVC LIST PRICE	PP PART NO.	PP LIST PRICE
1/2"	FV10050SA	$59.70	FV20050SA	$84.00	FVP0050SA	$82.45
3/4"	FV10075SA	$72.65	FV20075SA	$90.95	FVP0075SA	$94.90
1"	FV10100SA	$84.55	FV20100SA	$103.05	FVP0100SA	$251.95
1-1/4" - 1-1/2"	FV10150SA	$125.85	FV20150SA	$163.50	FVP0150SA	$259.35
2"	FV10200SA	$148.00	FV20200SA	$183.55	FVP0200SA	$267.25
2-1/2" - 3"	FV10300SA	$206.70	FV20300SA	$303.15	N/A	-
4"	FV10400SA	$250.50	FV20400SA	$410.15	N/A	-

YC SERIES Y-CHECK VALVES

All Y-Check Valves are assembled with silicone free lubricant.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Socket	YC10050S(X)	$143.05	$143.05	YC20050S(X)	$331.55	$331.55
	Threaded	YC10050T(X)	$143.05	$143.05	YC20050T(X	$331.55	$331.55
	Flanged	YC10050F(X)	$187.55	$187.55	YC20050F(X)	$395.70	$395.70
3/4"	Socket	YC10075S(X)	$154.90	$154.90	YC20075S(X)	$366.25	$366.25
	Threaded	YC10075T(X)	$154.90	$154.90	YC20075T(X)	$366.25	$366.25
	Flanged	YC10075F(X)	$207.35	$207.35	YC20075F(X)	$416.85	$416.85
1"	Socket	YC10100S(X)	$167.85	$167.85	YC20100S(X)	$468.95	$468.95
	Threaded	YC10100T(X)	$167.85	$167.85	YC20100T(X	$468.95	$468.95
	Flanged	YC10100F(X)	$248.60	$248.60	YC20100F(X)	$551.65	$551.65
1-1/4"	Socket	YC10125S(X)	$264.05	$264.05	YC20125S(X)	$728.10	$728.10
	Threaded	YC10125T(X)	$264.05	$264.05	YC20125T(X)	$728.10	$728.10
	Flanged	YC10125F(X)	$381.50	$381.50	YC20125F(X)	$856.50	$856.50
1-1/2"	Socket	YC10150S(X)	$287.90	$287.90	YC20150S(X)	$728.10	$728.10
	Threaded	YC10150T(X)	$287.90	$287.90	YC20150T(X)	$728.10	$728.10
	Flanged	YC10150F(X)	$403.25	$403.25	YC20150F(X)	$856.50	$856.50
2"	Socket	YC10200S(X)	$357.50	$357.50	YC20200S(X)	$935.75	$935.75
	Threaded	YC10200T(X)	$357.50	$357.50	YC20200T(X)	$935.75	$935.75
	Flanged	YC10200F(X)	$542.85	$542.85	YC20200F(X)	$1,261.95	$1,261.95
2-1/2"	Socket	YC10250S(X)	$761.50	$768.95	YC20250S(X	$1,180.60	$1,192.30
	Threaded	YC10250T(X)	$761.50	$768.95	YC20250T(X)	$1,180.60	$1,192.30
	Flanged	YC10250F(X)	$1,122.75	$1,133.95	YC20250F(X)	$1,388.90	$1,402.70
3"	Socket	YC10300S(X)	$761.50	$768.95	YC20300S(X)	$1,180.60	$1,192.30
	Threaded	YC10300T(X)	$761.50	$768.95	YC20300T(X)	$1,180.60	$1,192.30
	Flanged	YC10300F(X)	$1,122.75	$1,133.95	YC20300F(X)	$1,388.90	$1,402.70
4"	Socket	YC10400S(X)	$1,246.10	$1,258.50	YC20400S(X)	$2,039.45	$2,059.70
	Threaded	YC10400T(X)	$1,246.10	$1,258.50	YC20400T(X)	$2,039.45	$2,059.70
	Flanged	YC10400F(X)	$1,707.55	$1,724.35	YC20400F(X)	$2,399.25	$2,423.05

YC SERIES Y-CHECK VALVES (cont.)

All Y-Check Valves are assembled with silicone free lubricant.

NEW

SIZE	END CONN.	PVDF PART NO.	LIST PRICE FPM
1/2"	IPS Socket Fusion	YC50050S	$792.75
	Threaded	YC50050T	$792.75
3/4"	IPS Socket Fusion	YC50075S	$1,004.25
	Threaded	YC50075T	$1,004.25
1"	IPS Socket Fusion	YC50100S	$1,054.25
	Threaded	YC50100T	$1,054.25

YC SERIES TRUE UNION Y-CHECK VALVES

All Y-Check Valves are assembled with silicone free lubricant.

SIZE	END CONN.	PVC PART NO.	LIST PRICE FPM (U)	LIST PRICE EPDM (EU)	CPVC PART NO.	LIST PRICE FPM (U)	LIST PRICE EPDM (EU)
1/2"	Socket	YC10050S(XX)	$161.40	$161.40	YC20050S(XX)	$377.60	$377.60
	Threaded	YC10050T(XX)	$161.40	$161.40	YC20050T(XX)	$377.60	$377.60
3/4"	Socket	YC10075S(XX)	$176.65	$176.65	YC20075S(XX)	$422.80	$422.80
	Threaded	YC10075T(XX)	$176.65	$176.65	YC20075T(XX)	$422.80	$422.80
1"	Socket	YC10100S(XX)	$185.60	$185.60	YC20100S(XX)	$518.60	$518.60
	Threaded	YC10100T(XX)	$185.60	$185.60	YC20100T(XX)	$518.60	$518.60
1-1/4"	Socket	YC10125S(XX)	$300.70	$300.70	YC20125S(XX)	$839.75	$839.75
	Threaded	YC10125T(XX)	$300.70	$300.70	YC20125T(XX)	$839.75	$839.75
1-1/2"	Socket	YC10150S(XX)	$328.95	$328.95	YC20150S(XX)	$847.90	$847.90
	Threaded	YC10150T(XX)	$328.95	$328.95	YC20150T(XX)	$847.90	$847.90
2"	Socket	YC10200S(XX)	$390.30	$390.30	YC20200S(XX)	$1,032.95	$1,032.95
	Threaded	YC10200T(XX)	$390.30	$390.30	YC20200T(XX)	$1,032.95	$1,032.95
2-1/2"	Socket	YC10250S(XX)	$784.30	$776.60	YC20250S(XX)	$1,232.15	$1,232.15
	Threaded	YC10250T(XX)	$784.30	$776.60	YC20250T(XX)	$1,232.15	$1,232.15
3"	Socket	YC10300S(XX)	$808.45	$800.50	YC20300S(XX)	$1,270.05	$1,270.05
	Threaded	YC10300T(XX)	$808.45	$800.50	YC20300T(XX)	$1,270.05	$1,270.05
4"	Socket	YC10400S(XX)	$1,283.55	$1,271.00	YC20400S(XX)	$2,115.75	$2,115.75
	Threaded	YC10400T(XX)	$1,283.55	$1,271.00	YC20400T(XX)	$2,115.75	$2,115.75

SLC SERIES SPRING-LOADED Y-CHECK VALVES

All Spring-Loaded Y-Check Valves are suitable for both horizontal and vertical installation. 1" valves are furnished with extra 1/2" and 3/4" threaded reducer bushings. 2" valves are furnished with extra 1-1/2" threaded reducer bushings.

SIZE	END CONN.	PVC	LIST PRICE	
		PART NO.	FPM	EPDM (E)
1"	Threaded	SLC10100T(X)	$311.90	$300.65
2"	Threaded	SLC10200T(X)	$414.10	$402.95
3"	Threaded	SLC10300T(X)	$689.30	$664.05
4"	Threaded	SLC10400T(X)	$887.40	$836.35

SLC SERIES SPRING-LOADED TRUE UNION Y-CHECK VALVES

All Spring-Loaded Y-Check Valves are suitable for both horizontal and vertical installation. FPM or EPDM Seat & Seals available.

SIZE	END CONN.	PVC	LIST PRICE	
		PART NO.	FPM (U)	EPDM (EU)
1/2"	Socket	SLC10050S(XX)	$176.60	$167.85
	Threaded	SLC10050T(XX)	$176.60	$167.85
3/4"	Socket	SLC10075S(XX)	$193.15	$183.55
	Threaded	SLC10075T(XX)	$193.15	$183.55
1"	Socket	SLC10100S(XX)	$333.20	$320.00
	Threaded	SLC10100T(XX)	$333.20	$320.00
1-1/4"	Socket	SLC10125S(XX)	$333.20	$320.00
	Threaded	SLC10125T(XX)	$333.20	$320.00
1-1/2"	Socket	SLC10150S(XX)	$359.75	$341.70
	Threaded	SLC10150T(XX)	$359.75	$341.70
2"	Socket	SLC10200S(XX)	$441.30	$429.75
	Threaded	SLC10200T(XX)	$441.30	$429.75
2-1/2"	Socket	SLC10250S(XX)	$734.05	$706.70
	Threaded	SLC10250T(XX)	$734.05	$706.70
3"	Socket	SLC10300S(XX)	$734.05	$706.70
	Threaded	SLC10300T(XX)	$734.05	$706.70
4"	Socket	SLC10400S(XX)	$945.85	$889.85
	Threaded	SLC10400T(XX)	$945.85	$889.85

SW SERIES SWING CHECK VALVES

Swing Check Valves are assembled with silicone free lubricant and are furnished with two o-ring flange seals, so no additional gaskets are required for installation.

PVC WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300V	$1,391.00
4"	Flanged	SW1400V	$1,891.20
6"	Flanged	SW1600V	$2,773.25
8"	Flanged	SW1800V	$3,823.55

PVC WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300E	$1,106.45
4"	Flanged	SW1400E	$1,475.05
6"	Flanged	SW1600E	$2,179.65
8"	Flanged	SW1800E	$3,109.60

PVC WITH FPM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300VC	$1,684.75
4"	Flanged	SW1400VC	$2,183.90
6"	Flanged	SW1600VC	$3,065.95
8"	Flanged	SW1800VC	$4,114.10

PVC WITH EPDM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300EC	$1,398.10
4"	Flanged	SW1400EC	$1,766.70
6"	Flanged	SW1600EC	$2,470.05
8"	Flanged	SW1800EC	$3,404.30

CPVC WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300V	$3,077.70
4"	Flanged	SW2400V	$4,184.25
6"	Flanged	SW2600V	$6,134.10

CPVC WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300E	$2,447.15
4"	Flanged	SW2400E	$3,263.50
6"	Flanged	SW2600E	$4,816.70

CPVC WITH FPM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300VC	$3,372.05
4"	Flanged	SW2400VC	$4,476.40
6"	Flanged	SW2600VC	$6,426.50

CPVC WITH EPDM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300EC	$2,733.25
4"	Flanged	SW2400EC	$3,555.75
6"	Flanged	SW2600EC	$5,113.20

GFPP* WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW4300V	$1,718.00
4"	Flanged	SW4400V	$2,334.60
6"	Flanged	SW4600V	$3,424.65
8"	Flanged	SW4800V	$4,724.40

GFPP* WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW4300E	$1,368.10
4"	Flanged	SW4400E	$1,820.75
6"	Flanged	SW4600E	$2,689.00
8"	Flanged	SW4800E	$3,841.80

* GFPP valves with counterweight, consult factory.

WCV SERIES FULL PATTERN WAFER CHECK VALVES

- *WCV Full Wafer Check Valves require No Spacer or Specialty Flange*
- *High Flow Rate, Equal to or Greater than Metal Counterparts*
- *Size Range 2" - 8"*
- *Pressure Rated at 150 PSI for All Sizes*
- *Assembled with silicone free lubricant*

PVC		LIST PRICE				
		WITH SPRING (O-Ring/Spring Materials)			NO SPRING	
SIZE	PART NO.	FPM/SS (VS)	EPDM/SS (ES)	FPM/HASTELLOY® (VH)	FPM (V)	EPDM (E)
2"	WCV1200(XX)	$364.70	$348.50	$496.30	$313.65	$299.70
2-1/2"	WCV1250(XX)	$428.95	$405.45	$598.85	$368.95	$348.75
3"	WCV1300(XX)	$510.60	$468.60	$709.10	$439.15	$402.85
4"	WCV1400(XX)	$600.55	$536.05	$834.10	$516.55	$461.10
6"	WCV1600(XX)	$848.15	$765.60	$1,178.15	$729.50	$658.55
8"	WCV1800(XX)	$1,613.80	$1,511.80	$2,241.15	$1,387.80	$1,300.20

CPVC		LIST PRICE				
		WITH SPRING (O-Ring/Spring Materials)			NO SPRING	
SIZE	PART NO.	FPM/SS (VS)	EPDM/SS (ES)	FPM/HASTELLOY® (VH)	FPM (V)	EPDM (E)
2"	WCV2200(XX)	$455.70	$435.45	$636.15	$391.95	$374.50
2-1/2"	WCV2250(XX)	$536.05	$506.85	$767.65	$461.10	$435.85
3"	WCV2300(XX)	$662.95	$600.55	$908.90	$562.95	$530.20
4"	WCV2400(XX)	$750.60	$687.20	$1,029.80	$637.65	$591.15
6"	WCV2600(XX)	$1,060.35	$957.05	$1,454.20	$878.90	$823.10
8"	WCV2800(XX)	$2,017.20	$1,889.60	$2,801.50	$1,734.80	$1,625.00

Contact Hayward for wafer check valves in sizes 10" and larger.

BYV SERIES BUTTERFLY VALVES **LEVER OPERATED**

The revolutionary hand lever design features a 72 spline interlock mechanism allowing for 19 stopping positions in 5 degree increments. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.

NSF
PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (EL000)	VITON® LINER AND FPM SEALS (VL000)	NITRILE LINER AND SEALS (NL000)
2"	PVC	PVC	BYV11020A0(XXXXX)	$402.05	$543.05	$402.05
	PVC	GFPP	BYV14020A0(XXXXX)	$402.05	$543.05	$402.05
	CPVC	CPVC	BYV22020A0(XXXXX)	$472.50	$692.65	$472.50
	GFPP	GFPP	BYV44020A0(XXXXX)	$555.75	$785.60	$555.75
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$451.90	$767.85	$451.90
	PVC	GFPP	BYV14025A0(XXXXX)	$451.90	$767.85	$451.90
	CPVC	CPVC	BYV22025A0(XXXXX)	$531.90	$773.15	$531.90
	GFPP	GFPP	BYV44025A0(XXXXX)	$584.25	$885.15	$584.25
3"	PVC	PVC	BYV11030A0(XXXXX)	$436.55	$729.10	$436.55
	PVC	GFPP	BYV14030A0(XXXXX)	$436.55	$729.10	$436.55
	CPVC	CPVC	BYV22030A0(XXXXX)	$513.95	$901.75	$513.95
	GFPP	GFPP	BYV44030A0(XXXXX)	$593.50	$1,056.45	$593.50
4"	PVC	PVC	BYV11040A0(XXXXX)	$507.05	$904.50	$507.05
	PVC	GFPP	BYV14040A0(XXXXX)	$507.05	$904.50	$507.05
	CPVC	CPVC	BYV22040A0(XXXXX)	$596.80	$1,122.75	$596.80
	GFPP	GFPP	BYV44040A0(XXXXX)	$683.95	$1,267.65	$683.95
6"	PVC	PVC	BYV11060A0(XXXXX)	$748.90	$1,563.70	$748.90
	PVC	GFPP	BYV14060A0(XXXXX)	$748.90	$1,563.70	$748.90
	CPVC	CPVC	BYV22060A0(XXXXX)	$882.35	$1,941.60	$882.35
	GFPP	GFPP	BYV44060A0(XXXXX)	$1,017.30	$2,125.25	$1,017.30
8"	PVC	PVC	BYV11080A0(XXXXX)	$1,310.45	$2,534.70	$1,310.45
	PVC	GFPP	BYV14080A0(XXXXX)	$1,310.45	$2,534.70	$1,310.45
	CPVC	CPVC	BYV22080A0(XXXXX)	$1,542.45	$2,832.20	$1,542.45
	GFPP	GFPP	BYV44080A0(XXXXX)	$1,722.35	$3,210.45	$1,722.35

BYV SERIES BUTTERFLY VALVES **LUGGED, LEVER OPERATED**

Lugged BYV series valves feature overmolded 316 stainless steel lugs.

NSF
PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (ELI00)	VITON® LINER AND FPM SEALS (VLI00)	NITRILE LINER AND SEALS (NLI00)
2"	PVC	PVC	BYV11020A0(XXXXX)	$680.05	$897.00	$680.05
	PVC	GFPP	BYV14020A0(XXXXX)	$673.30	$897.00	$673.30
	CPVC	CPVC	BYV22020A0(XXXXX)	$745.35	$1,016.95	$745.35
	GFPP	GFPP	BYV44020A0(XXXXX)	$875.15	$1,148.15	$875.15
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$730.55	$1,117.95	$730.55
	PVC	GFPP	BYV14025A0(XXXXX)	$731.05	$1,115.70	$731.05
	CPVC	CPVC	BYV22025A0(XXXXX)	$803.30	$1,090.25	$803.30
	GFPP	GFPP	BYV44025A0(XXXXX)	$920.15	$1,248.30	$920.15
3"	PVC	PVC	BYV11030A0(XXXXX)	$743.55	$1,119.40	$743.55
	PVC	GFPP	BYV14030A0(XXXXX)	$744.30	$1,113.95	$744.30
	CPVC	CPVC	BYV22030A0(XXXXX)	$815.55	$1,252.40	$815.55
	GFPP	GFPP	BYV44030A0(XXXXX)	$964.35	$1,408.55	$964.35
4"	PVC	PVC	BYV11040A0(XXXXX)	$879.75	$1,371.75	$879.75
	PVC	GFPP	BYV14040A0(XXXXX)	$878.95	$1,362.90	$878.95
	CPVC	CPVC	BYV22040A0(XXXXX)	$977.50	$1,523.65	$977.50
	GFPP	GFPP	BYV44040A0(XXXXX)	$1,154.05	$1,722.65	$1,154.05
6"	PVC	PVC	BYV11060A0(XXXXX)	$1,197.80	$2,189.10	$1,197.80
	PVC	GFPP	BYV14060A0(XXXXX)	$1,226.90	$2,189.10	$1,226.90
	CPVC	CPVC	BYV22060A0(XXXXX)	$1,351.35	$2,412.15	$1,351.35
	GFPP	GFPP	BYV44060A0XXXXX	$1,576.65	$2,742.20	$1,576.65
8"	PVC	PVC	BYV11080A0(XXXXX)	$1,990.00	$3,222.80	$1,990.00
	PVC	GFPP	BYV14080A0(XXXXX)	$2,011.20	$3,222.80	$2,011.20
	CPVC	CPVC	BYV22080A0(XXXXX)	$2,229.45	$3,525.85	$2,229.45
	GFPP	GFPP	BYV44080A0(XXXXX)	$2,440.20	$3,898.35	$2,440.20

BYV SERIES BUTTERFLY VALVES **GEAR OPERATED**

The BYV Series are available with cast aluminum gear operator for all sizes with IP65 rated housing and steel internal components designed to enhance its quality, reliability and environmental specifications.

NSF

PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (EG000)	VITON® LINER AND FPM SEALS (VG000)	NITRILE LINER AND SEALS (NG000)
2"	PVC	PVC	BYV11020A0(XXXXX)	$1,010.15	$1,056.00	$1,010.15
	PVC	GFPP	BYV14020A0(XXXXX)	$1,010.15	$1,056.00	$1,010.15
	CPVC	CPVC	BYV22020A0(XXXXX)	$1,080.65	$1,111.00	$1,080.65
	GFPP	GFPP	BYV44020A0(XXXXX)	$1,179.15	$1,318.10	$1,179.15
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$1,059.75	$1,228.45	$1,059.75
	PVC	GFPP	BYV14025A0(XXXXX)	$1,059.75	$1,228.45	$1,059.75
	CPVC	CPVC	BYV22025A0(XXXXX)	$1,139.90	$1,191.45	$1,139.90
	GFPP	GFPP	BYV44025A0(XXXXX)	$1,224.65	$1,489.60	$1,224.65
3"	PVC	PVC	BYV11030A0(XXXXX)	$1,044.70	$1,260.45	$1,044.70
	PVC	GFPP	BYV14030A0(XXXXX)	$1,044.70	$1,260.45	$1,044.70
	CPVC	CPVC	BYV22030A0(XXXXX)	$1,122.10	$1,384.45	$1,122.10
	GFPP	GFPP	BYV44030A0(XXXXX)	$1,235.00	$1,692.50	$1,235.00
4"	PVC	PVC	BYV11040A0(XXXXX)	$1,115.10	$1,447.60	$1,115.10
	PVC	GFPP	BYV14040A0(XXXXX)	$1,115.10	$1,447.60	$1,115.10
	CPVC	CPVC	BYV22040A0(XXXXX)	$1,204.90	$1,616.30	$1,204.90
	GFPP	GFPP	BYV44040A0(XXXXX)	$1,336.65	$1,942.70	$1,336.65
6"	PVC	PVC	BYV11060A0(XXXXX)	$1,211.75	$2,013.10	$1,211.75
	PVC	GFPP	BYV14060A0(XXXXX)	$1,211.75	$2,013.10	$1,211.75
	CPVC	CPVC	BYV22060A0(XXXXX)	$1,345.10	$2,391.05	$1,345.10
	GFPP	GFPP	BYV44060A0(XXXXX)	$1,558.70	$2,618.05	$1,558.70
8"	PVC	PVC	BYV11080A0(XXXXX)	$1,852.95	$3,226.35	$1,852.95
	PVC	GFPP	BYV14080A0(XXXXX)	$1,589.80	$3,129.55	$1,589.80
	CPVC	CPVC	BYV22080A0(XXXXX)	$1,915.50	$3,497.55	$1,915.50
	GFPP	GFPP	BYV44080A0(XXXXX)	$2,119.10	$3,972.25	$2,119.10
10"	PVC	PVC	BYV11100A0(XXXXX)	$2,577.35	$4,669.05	$2,577.35
	PVC	GFPP	BYV14100A0(XXXXX)	$2,278.75	$4,669.05	$2,278.75
	CPVC	CPVC	BYV22100A0(XXXXX)	$3,020.20	$5,728.50	$3,020.20
	GFPP	GFPP	BYV44100A0(XXXXX)	$3,447.15	$6,242.85	$3,447.15
12"	PVC	PVC	BYV11120A0(XXXXX)	$4,011.40	$7,271.70	$4,011.40
	PVC	GFPP	BYV14120A0(XXXXX)	$3,714.00	$7,271.70	$3,714.00
	CPVC	CPVC	BYV22120A0(XXXXX)	$4,401.25	$8,921.50	$4,401.25
	GFPP	GFPP	BYV44120A0(XXXXX)	$4,965.30	$9,616.50	$4,965.30

BYV SERIES BUTTERFLY VALVES **LUGGED, GEAR OPERATED**

Lugged BYV series valves feature overmolded 316 stainless steel lugs.

PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (EGI00)	VITON® LINER AND FPM SEALS (VGI00)	NITRILE LINER AND SEALS (NGI00)
2"	PVC	PVC	BYV11020A0(XXXXX)	$1,292.95	$1,350.35	$1,292.95
	PVC	GFPP	BYV14020A0(XXXXX)	$1,284.20	$1,350.35	$1,284.20
	CPVC	CPVC	BYV22020A0(XXXXX)	$1,372.35	$1,462.45	$1,372.35
	GFPP	GFPP	BYV44020A0(XXXXX)	$1,474.15	$1,655.75	$1,474.15
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$1,348.35	$1,603.75	$1,348.35
	PVC	GFPP	BYV14025A0(XXXXX)	$1,340.35	$1,584.00	$1,340.35
	CPVC	CPVC	BYV22025A0(XXXXX)	$1,407.60	$1,531.80	$1,407.60
	GFPP	GFPP	BYV44025A0(XXXXX)	$1,526.40	$1,875.95	$1,526.40
3"	PVC	PVC	BYV11030A0(XXXXX)	$1,356.40	$1,650.60	$1,356.40
	PVC	GFPP	BYV14030A0(XXXXX)	$1,347.95	$1,670.30	$1,347.95
	CPVC	CPVC	BYV22030A0(XXXXX)	$1,413.95	$1,765.00	$1,413.95
	GFPP	GFPP	BYV44030A0(XXXXX)	$1,564.20	$2,100.10	$1,564.20
4"	PVC	PVC	BYV11040A0(XXXXX)	$1,477.75	$1,927.30	$1,477.75
	PVC	GFPP	BYV14040A0(XXXXX)	$1,526.40	$1,948.95	$1,526.40
	CPVC	CPVC	BYV22040A0(XXXXX)	$1,605.50	$2,095.75	$1,605.50
	GFPP	GFPP	BYV44040A0(XXXXX)	$1,771.15	$2,408.55	$1,771.15
6"	PVC	PVC	BYV11060A0(XXXXX)	$1,948.10	$2,646.80	$1,948.10
	PVC	GFPP	BYV14060A0(XXXXX)	$1,687.20	$2,646.80	$1,687.20
	CPVC	CPVC	BYV22060A0(XXXXX)	$1,835.70	$3,000.55	$1,835.70
	GFPP	GFPP	BYV44060A0(XXXXX)	$2,055.45	$3,096.35	$2,055.45
8"	PVC	PVC	BYV11080A0(XXXXX)	$2,448.60	$3,798.75	$2,448.60
	PVC	GFPP	BYV14080A0(XXXXX)	$2,319.25	$3,871.60	$2,319.25
	CPVC	CPVC	BYV22080A0(XXXXX)	$2,642.15	$4,241.60	$2,642.15
	GFPP	GFPP	BYV44080A0(XXXXX)	$2,982.90	$4,722.30	$2,982.90
10"	PVC	PVC	BYV11100A0(XXXXX)	$4,270.35	$6,295.10	$4,270.35
	PVC	GFPP	BYV14100A0(XXXXX)	$3,987.65	$6,408.55	$3,987.65
	CPVC	CPVC	BYV22100A0(XXXXX)	$4,927.60	$7,626.15	$4,927.60
	GFPP	GFPP	BYV44100A0(XXXXX)	$5,791.15	$8,198.70	$5,791.15
12"	PVC	PVC	BYV11120A0(XXXXX)	$6,181.50	$8,956.40	$6,181.50
	PVC	GFPP	BYV14120A0(XXXXX)	$5,536.00	$9,074.00	$5,536.00
	CPVC	CPVC	BYV22120A0(XXXXX)	$6,461.55	$10,967.20	$6,461.55
	GFPP	GFPP	BYV44120A0(XXXXX)	$7,175.80	$11,802.45	$7,175.80

BYV SERIES BUTTERFLY VALVES **ACTUATION READY**

PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

The BYV Series features an IS05211 Mounting Pad and Drive Stem making actuation easier and more economical. Hayward's vast range of pneumatic and electric actuators are the perfect compliment to the BYV Series. Hayward's in house actuation center provides you with a full range of options and accessories as well.

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (EK000)	VITON® LINER AND FPM SEALS (VK000)	NITRILE LINER AND SEALS (NK000)
2"	PVC	PVC	BYV11020A0(XXXXX)	$361.95	$494.20	$361.95
	PVC	GFPP	BYV14020A0(XXXXX)	$361.95	$494.20	$361.95
	CPVC	CPVC	BYV22020A0(XXXXX)	$434.70	$637.20	$434.70
	GFPP	GFPP	BYV44020A0(XXXXX)	$511.25	$834.00	$511.25
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$406.70	$714.20	$406.70
	PVC	GFPP	BYV14025A0(XXXXX)	$406.70	$714.20	$406.70
	CPVC	CPVC	BYV22025A0(XXXXX)	$489.45	$711.35	$489.45
	GFPP	GFPP	BYV44025A0(XXXXX)	$537.55	$939.65	$537.55
3"	PVC	PVC	BYV11030A0(XXXXX)	$392.95	$678.10	$392.95
	PVC	GFPP	BYV14030A0(XXXXX)	$392.95	$678.10	$392.95
	CPVC	CPVC	BYV22030A0(XXXXX)	$472.85	$829.55	$472.85
	GFPP	GFPP	BYV44030A0(XXXXX)	$546.00	$1,076.65	$546.00
4"	PVC	PVC	BYV11040A0(XXXXX)	$456.40	$850.15	$456.40
	PVC	GFPP	BYV14040A0(XXXXX)	$456.40	$850.15	$456.40
	CPVC	CPVC	BYV22040A0(XXXXX)	$549.10	$1,033.00	$549.10
	GFPP	GFPP	BYV44040A0(XXXXX)	$629.20	$1,291.85	$629.20
6"	PVC	PVC	BYV11060A0(XXXXX)	$674.05	$1,501.15	$674.05
	PVC	GFPP	BYV14060A0(XXXXX)	$674.05	$1,501.15	$674.05
	CPVC	CPVC	BYV22060A0(XXXXX)	$811.75	$1,786.30	$811.75
	GFPP	GFPP	BYV44060A0(XXXXX)	$935.85	$2,049.85	$935.85
8"	PVC	PVC	BYV11080A0(XXXXX)	$1,179.35	$2,508.55	$1,179.35
	PVC	GFPP	BYV14080A0(XXXXX)	$1,179.35	$2,508.55	$1,179.35
	CPVC	CPVC	BYV22080A0(XXXXX)	$1,419.10	$2,686.20	$1,419.10
	GFPP	GFPP	BYV44080A0(XXXXX)	$1,646.30	$2,995.75	$1,646.30
10"	PVC	PVC	BYV11100A0(XXXXX)	$2,190.80	$4,342.25	$2,190.80
	PVC	GFPP	BYV14100A0(XXXXX)	$1,936.85	$4,342.25	$1,936.85
	CPVC	CPVC	BYV22100A0(XXXXX)	$2,627.50	$5,056.70	$2,627.50
	GFPP	GFPP	BYV44100A0(XXXXX)	$2,999.05	$5,431.35	$2,999.05
12"	PVC	PVC	BYV11120A0(XXXXX)	$3,409.80	$6,762.60	$3,409.80
	PVC	GFPP	BYV14120A0(XXXXX)	$3,156.95	$6,762.60	$3,156.95
	CPVC	CPVC	BYV22120A0(XXXXX)	$3,829.15	$7,761.65	$3,829.15
	GFPP	GFPP	BYV44120A0(XXXXX)	$4,319.80	$8,460.35	$4,319.80

All valves are Bare Stem only and do not include Hardware and Assembly.
Consult pricing on page 36 for Hardware and Assembly.

BYV SERIES BUTTERFLY VALVES
ACTUATION HARDWARE AND ASSEMBLY

HARDWARE AND ASSEMBLY

SIZE	PART NO.*	LIST PRICE
2"-4"	BYVMKT24	$142.30
6"-8"	BYVMKT68	$213.35
10"-12"	BYVMKT12	$284.45

Hayward's Actuation Pricing Structure for ordering actuated BYV Series makes acutation easy and more economical. In addition to ordering the valve and actuator, please include one of three standard part numbers listed to left for hardware and assembly by size of the valve.

* The above part numbers are not for ordering extra hardware or mounting kits. Please contact Customer Service for actuator mounting kit part numbers for specific valve to actuator combinations.

BYV SERIES BUTTERFLY VALVES
LUGGED, ACTUATION READY

Lugged BYV Series valves feature overmolded 316 stainless steel lugs.

*Actuator not included.

NSF
PVC/EPDM 2" - 12"
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	PART NO.	LIST PRICE		
				EPDM LINER AND SEALS (EKI00)	VITON® LINER AND FPM SEALS (VKI00)	NITRILE LINER AND SEALS (NKI00)
2"	PVC	PVC	BYV11020A0(XXXXX)	$654.70	$791.15	$654.70
	PVC	GFPP	BYV14020A0(XXXXX)	$637.10	$791.15	$637.10
	CPVC	CPVC	BYV22020A0(XXXXX)	$721.50	$925.90	$721.50
	GFPP	GFPP	BYV44020A0(XXXXX)	$800.05	$1,150.60	$800.05
2-1/2"	PVC	PVC	BYV11025A0(XXXXX)	$680.15	$991.75	$680.15
	PVC	GFPP	BYV14025A0(XXXXX)	$680.25	$974.45	$680.25
	CPVC	CPVC	BYV22025A0(XXXXX)	$763.30	$975.10	$763.30
	GFPP	GFPP	BYV44025A0(XXXXX)	$841.35	$1,231.55	$841.35
3"	PVC	PVC	BYV11030A0(XXXXX)	$690.50	$1,005.40	$690.50
	PVC	GFPP	BYV14030A0(XXXXX)	$674.15	$986.80	$674.15
	CPVC	CPVC	BYV22030A0(XXXXX)	$749.40	$1,128.60	$749.40
	GFPP	GFPP	BYV44030A0(XXXXX)	$854.55	$1,392.55	$854.55
4"	PVC	PVC	BYV11040A0(XXXXX)	$824.00	$1,269.55	$824.00
	PVC	GFPP	BYV14040A0(XXXXX)	$854.45	$1,239.85	$854.45
	CPVC	CPVC	BYV22040A0(XXXXX)	$916.65	$1,415.90	$916.65
	GFPP	GFPP	BYV44040A0(XXXXX)	$1,034.45	$1,918.40	$1,034.45
6"	PVC	PVC	BYV11060A0(XXXXX)	$1,124.70	$1,978.40	$1,124.70
	PVC	GFPP	BYV14060A0(XXXXX)	$1,152.70	$1,978.40	$1,152.70
	CPVC	CPVC	BYV22060A0(XXXXX)	$1,285.00	$2,269.25	$1,285.00
	GFPP	GFPP	BYV44060A0(XXXXX)	$1,559.90	$2,795.10	$1,559.90
8"	PVC	PVC	BYV11080A0(XXXXX)	$1,877.15	$3,140.10	$1,877.15
	PVC	GFPP	BYV14080A0(XXXXX)	$1,868.40	$3,261.55	$1,868.40
	CPVC	CPVC	BYV22080A0(XXXXX)	$2,099.10	$3,317.50	$2,099.10
	GFPP	GFPP	BYV44080A0(XXXXX)	$2,669.75	$3,953.85	$2,669.75
10"	PVC	PVC	BYV11100A0(XXXXX)	$4,033.60	$6,191.75	$4,033.60
	PVC	GFPP	BYV14100A0(XXXXX)	$3,641.30	$6,051.70	$3,641.30
	CPVC	CPVC	BYV22100A0(XXXXX)	$4,759.70	$6,743.55	$4,759.70
	GFPP	GFPP	BYV44100A0(XXXXX)	$5,586.60	$7,720.50	$5,586.60
12"	PVC	PVC	BYV11120A0(XXXXX)	$5,663.95	$8,733.55	$5,663.95
	PVC	GFPP	BYV14120A0(XXXXX)	$5,224.85	$8,542.45	$5,224.85
	CPVC	CPVC	BYV22120A0(XXXXX)	$6,154.60	$9,901.10	$6,154.60
	GFPP	GFPP	BYV44120A0(XXXXX)	$7,307.50	$10,957.40	$7,307.50

All valves are Bare Stem only and do not include Hardware and Assembly.

ECP SERIES AUTOMATED WITH BYV SERIES BUTTERFLY VALVES

Quik-Ship Ready in 24HRS

High performance ECP Series 24-265VAC/VDC electric actuator with two auxiliary limit switches, mounted to a BYV Series Butterfly Valve. Valve has PVC body and disk. Price includes assembled valve and actuator.

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with ECP3 GFPP Actuator	ECPBYV11020(X)	$1,171.75	$1,080.15
2-1/2"	PVC	PVC	2-1/2" BYV Series with ECP3 GFPP Actuator	ECPBYV11025(X)	$1,342.00	$1,110.50
3"	PVC	PVC	3" BYV Series with ECP3 GFPP Actuator	ECPBYV11030(X)	$1,342.00	$1,110.50
4"	PVC	PVC	4" BYV Series with ECP5 GFPP Actuator	ECPBYV11040(X)	$2,450.15	$1,407.05
6"	PVC	PVC	6" BYV Series with ECP8 GFPP Actuator	ECPBYV11060(X)	$3,260.65	$2,632.90

HRS SERIES AUTOMATED WITH BYV SERIES BUTTERFLY VALVES

Quik-Ship Ready in 24HRS

High performance HRS Series 120VAC electric on/off actuator mounted to a BYV Series Butterfly Valve. Valve has PVC body with PVC disc and EPDM seals. Price includes assembled valve and actuator.

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with HRSN2 On/Off Electric Actuator	HRBYV11020(X)	$1,291.95	$1,189.25
2-1/2"	PVC	PVC	2-1/2" BYV Series with HRSN2 On/Off Electric Actuator	HRBYV11025(X)	$1,463.10	$1,219.10
3"	PVC	PVC	3" BYV Series with HRSN2 On/Off Electric Actuator	HRBYV11030(X)	$1,435.05	$1,219.10
4"	PVC	PVC	4" BYV Series with HRSN2 On/Off Electric Actuator	HRBYV11040(X)	$1,876.45	$1,572.20
6"	PVC	PVC	6" BYV Series with HRSN3 On/Off Electric Actuator	HRBYV11060(X)	$3,238.30	$2,585.95
8"	PVC	PVC	8" BYV Series with HRSN3 On/Off Electric Actuator	HRBYV11080(X)	$4,397.65	$3,349.25

PMD4/PMS4 SERIES AUTOMATED WITH BYV SERIES BUTTERFLY VALVES

Quik-Ship Ready in 24HRS

*Cost effective, rack-and-pinion pneumatically actuated PMD or PMS Series actuator mounted to a BYV Series Butterfly Valve. Valve has PVC body with PVC disc and EPDM seals. Price includes assembled valve and **bare** actuator.*

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with PMD4 DA GFPP Actuator	PMDBYV11020(X)	$942.70	$845.30
2-1/2"	PVC	PVC	2-1/2" BYV Series with PMD4 DA GFPP Actuator	PMDBYV11025(X)	$1,107.15	$877.80
3"	PVC	PVC	3" BYV Series with PMD4 DA GFPP Actuator	PMDBYV11030(X)	$1,107.15	$877.80
4"	PVC	PVC	4" BYV Series with PMD4 DA GFPP Actuator	PMDBYV11040(X)	$1,212.75	$915.60

All actuator sizing based on 80 PSI air.

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with PMS4 SR GFPP Actuator	PMSBYV11020(X)	$1,041.60	$942.20
2-1/2"	PVC	PVC	2-1/2" BYV with PMS4 SR GFPP Actuator	PMSBYV11025(X)	$1,204.10	$975.55
3"	PVC	PVC	3" BYV with PMS4 SR GFPP Actuator	PMSBYV11030(X)	$1,204.10	$975.55

All actuator sizing based on 80 PSI air.
Valves spring closed unless specified otherwise.

PCD/PCS SERIES AUTOMATED WITH BYV SERIES BUTTERFLY VALVES

Quik-Ship
Ready in 24HRS

*Industrial grade, rack-and-pinion pneumatically actuated PCD or PCS Series actuator mounted to a BYV Series Butterfly Valve. Valve has PVC body with PVC disc and EPDM seals. Price includes assembled valve and **bare** actuator.*

DOUBLE ACTING

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with PCD20 DA Pneumatic Actuator	PCDBYV11020(X)	**$1,007.65**	**$919.85**
2-1/2"	PVC	PVC	2-1/2" BYV Series with PCD20 DA Pneumatic Actuator	PCDBYV11025(X)	**$1,156.10**	**$949.10**
3"	PVC	PVC	3" BYV Series with PCD20 DA Pneumatic Actuator	PCDBYV11030(X)	**$1,156.10**	**$949.10**
4"	PVC	PVC	4" BYV Series with PCD25 DA Pneumatic Actuator	PCDBYV11040(X)	**$1,448.10**	**$1,180.55**
6"	PVC	PVC	6" BYV Series with PCD25 DA Pneumatic Actuator	PCDBYV11060(X)	**$1,953.45**	**$1,384.10**
8"	PVC	PVC	8" BYV Series with PCD35 DA Pneumatic Actuator	PCDBYV11080(X)	**$3,040.00**	**$2,124.65**

All actuator sizing based on 80 PSI air.

SPRING RETURN

VALVE SIZE	VALVE BODY	VALVE DISC	DESCRIPTION	PART NO.	LIST PRICE	
					FPM (V)	EPDM (E)
2"	PVC	PVC	2" BYV Series with PCS25 SR Pneumatic Actuator	PCSBYV11020(X)	**$1,325.30**	**$1,236.70**
2-1/2"	PVC	PVC	2-1/2" BYV Series with PCS25 SR Pneumatic Actuator	PCSBYV11025(X)	**$1,474.75**	**$1,267.00**
3"	PVC	PVC	3" BYV Series with PCS25 SR Pneumatic Actuator	PCSBYV11030(X)	**$1,474.75**	**$1,267.00**
4"	PVC	PVC	4" BYV Series with PCS30 SR Pneumatic Actuator	PCSBYV11040(X)	**$1,761.35**	**$1,493.80**
6"	PVC	PVC	6" BYV Series with PCS35 SR Pneumatic Actuator	PCSBYV11060(X)	**$2,611.00**	**$2,040.60**
8"	PVC	PVC	8" BYV Series with PCS45 SR Pneumatic Actuator	PCSBYV11080(X)	**$4,150.35**	**$3,233.85**

All actuator sizing based on 80 PSI air.
Valves spring closed unless specified otherwise.

DIN/EN (DN) PART NUMBER MATRIX – BYV

All BYV Series configurations and materials are available with bolt patterns corresponding to DIN/EN Standards. The body of the valve has a bolt circle and bolt holes that comply with DIN EN 1092-1, PN10. Face to face dimensions comply with ISO 5752, table 5, short. Change the part number to order the DIN/EN size by replacing the ASME/ANSI B16.5 size with the corresponding DN size listed. Pricing for ANSI and DIN are the same.

ASME/ANSI	PART NO.	DN	d	PART NO.
2”	BYVXX**020A**XXXXXX	50	63	BYVXX**050M**XXXXXX
2-1/2”	BYVXX**025A**XXXXXX	65 (4 bolt)	75	BYVXX**065M**XXXXXX
3”	BYVXX**030A**XXXXXX	80	90	BYVXX**080M**XXXXXX
4”	BYVXX**040A**XXXXXX	100	110	BYVXX**100M**XXXXXX
6”	BYVXX**060A**XXXXXX	150	160	BYVXX**150M**XXXXXX
8”	BYVXX**080A**XXXXXX	200	225	BYVXX**200M**XXXXXX
10”	BYVXX**100A**XXXXXX	250	280	BYVXX**250M**XXXXXX
12”	BYVXX**120A**XXXXXX	300	315	BYVXX**300M**XXXXXX

BYB SERIES BUTTERFLY VALVES **GEAR OPERATED**

All BYB Series Industrial Butterfly Valves feature 410 SS stems.*
BYB Series are gear operated only.
303SS lugged valves available upon request.

SIZE	BODY	DISC	PART NO.	FPM LINER & SEALS		EPDM LINER & SEALS		NITRILE LINER & SEALS	
				PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
	PVC	PP	BYB1140(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVC	PVC	BYB1140(XXXXX)	(F1GGA)	**POA**	(E1GGA)	**POA**	(N1GGA)	**POA**
14"	CPVC	CPVC	BYB2140(XXXXX)	(F2GGA)	**POA**	(E2GGA)	**POA**	(N2GGA)	**POA**
	PP	PP	BYB3140(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVDF	PVDF	BYB5140(XXXXX)	(F5GWA)	**POA**	(E5GWA)	**POA**	(N5GWA)	**POA**
	PVC	PP	BYB1160(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVC	PVC	BYB1160(XXXXX)	(F1GGA)	**POA**	(E1GGA)	**POA**	(N1GGA)	**POA**
16"	CPVC	CPVC	BYB2160(XXXXX)	(F2GGA)	**POA**	(E2GGA)	**POA**	(N2GGA)	**POA**
	PP	PP	BYB3160(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVDF	PVDF	BYB5160(XXXXX)	(F5GWA)	**POA**	(E5GWA)	**POA**	(N5GWA)	**POA**
	PVC	PP	BYB1180(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVC	PVC	BYB1180(XXXXX)	(F1GGA)	**POA**	(E1GGA)	**POA**	(N1GGA)	**POA**
18"	CPVC	CPVC	BYB2180(XXXXX)	(F2GGA)	**POA**	(E2GGA)	**POA**	(N2GGA)	**POA**
	PP	PP	BYB3180(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVDF	PVDF	BYB5180(XXXXX)	(F5GWA)	**POA**	(E5GWA)	**POA**	(N5GWA)	**POA**
	PVC	PP	BYB1200(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVC	PVC	BYB1200(XXXXX)	(F1GGA)	**POA**	(E1GGA)	**POA**	(N1GGA)	**POA**
20"	CPVC	CPVC	BYB2200(XXXXX)	(F2GGA)	**POA**	(E2GGA)	**POA**	(N2GGA)	**POA**
	PP	PP	BYB3200(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVDF	PVDF	BYB5200(XXXXX)	(F5GWA)	**POA**	(E5GWA)	**POA**	(N5GWA)	**POA**
	PVC	PP	BYB1240(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVC	PVC	BYB1240(XXXXX)	(F1GGA)	**POA**	(E1GGA)	**POA**	(N1GGA)	**POA**
24"	CPVC	CPVC	BYB2240(XXXXX)	(F2GGA)	**POA**	(E2GGA)	**POA**	(N2GGA)	**POA**
	PP	PP	BYB3240(XXXXX)	(F3GGA)	**POA**	(E3GGA)	**POA**	(N3GGA)	**POA**
	PVDF	PVDF	BYB5240(XXXXX)	(F5GWA)	**POA**	(E5GWA)	**POA**	(N5GWA)	**POA**

POA = Priced On Availability, consult factory for pricing and availability.
* 316SS and Alloy C276 (Titanium alternative) available upon request.

BYB SERIES BUTTERFLY VALVES **ACTUATION READY**

Hayward's vast range of pneumatic and electric actuators are the perfect compliment to the BYB Series.

Hayward's in house actuation center provides you with a full range of options and accessories as well.

303SS lugged valves available upon request.

SIZE	BODY	DISC	PART NO.	FPM LINER & SEALS		EPDM LINER & SEALS		NITRILE LINER & SEALS	
				PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
14"	PVC	PP	BYB1140(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	CPVC	CPVC	BYB2140(XXXXX)	(F2KGA)	**POA**	(E2KGA)	**POA**	(N2KGA)	**POA**
	PP	PP	BYB3140(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	PVDF	PVDF	BYB5140(XXXXX)	(F5KGA)	**POA**	(E5KGA)	**POA**	(N5KGA)	**POA**
16"	PVC	PP	BYB1160(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	CPVC	CPVC	BYB2160(XXXXX)	(F2KGA)	**POA**	(E2KGA)	**POA**	(N2KGA)	**POA**
	PP	PP	BYB3160(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	PVDF	PVDF	BYB5160(XXXXX)	(F5KGA)	**POA**	(E5KGA)	**POA**	(N5KGA)	**POA**
18"	PVC	PP	BYB1180(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	CPVC	CPVC	BYB2180(XXXXX)	(F2KGA)	**POA**	(E2KGA)	**POA**	(N2KGA)	**POA**
	PP	PP	BYB3180(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	PVDF	PVDF	BYB5180(XXXXX)	(F5KGA)	**POA**	(E5KGA)	**POA**	(N5KGA)	**POA**
20"	PVC	PP	BYB1200(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	CPVC	CPVC	BYB2200(XXXXX)	(F2KGA)	**POA**	(E2KGA)	**POA**	(N2KGA)	**POA**
	PP	PP	BYB3200(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	PVDF	PVDF	BYB5200(XXXXX)	(F5KGA)	**POA**	(E5KGA)	**POA**	(N5KGA)	**POA**
24"	PVC	PP	BYB1240(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	CPVC	CPVC	BYB2240(XXXXX)	(F2KGA)	**POA**	(E2KGA)	**POA**	(N2KGA)	**POA**
	PP	PP	BYB3240(XXXXX)	(F3KGA)	**POA**	(E3KGA)	**POA**	(N3KGA)	**POA**
	PVDF	PVDF	BYB5240(XXXXX)	(F5KGA)	**POA**	(E5KGA)	**POA**	(N5KGA)	**POA**

POA = Priced On Availability, consult factory for pricing and availability.
* 316SS and Alloy C276 (Titanium alternative) available upon request.

BYB SERIES ACTUATOR MOUNTING KIT AND HARDWARE

Hayward is now introducing a New Actuation Pricing Structure for ordering actuated BYB Series, making it more economical.

In addition to ordering the valve and actuator, please include one of the standard part numbers listed below for hardware and assembly by size of the valve.

SIZE	PART NO.	LIST PRICE
14"	BYBMKT14	**POA**
16" - 18"	BYBMKT18	**POA**
20" - 24"	BYBMKT24	**POA**

BYCS SERIES BUTTERFLY VALVES

- *Valves feature 410 Stainless Steel Shafts.*
- *Available with red lever handle or gear operated.*
- *Fits both ANSI150 and PN10 Flanges.*

	DESCRIPTION			LEVER		GEAR	
SIZE	BODY	DISC	LINER	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	EPDM	BYCS1020E1LGA	**$200.55**	BYCS1020E1GGA	**$623.15**
2-1/2"				BYCS1025E1LGA	**$200.60**	BYCS1025E1GGA	**$637.80**
3"				BYCS1030E1LGA	**$228.00**	BYCS1030E1GGA	**$650.60**
4"				BYCS1040E1LGA	**$250.05**	BYCS1040E1GGA	**$672.60**
5"				BYCS1050E1LGA	**$349.30**	BYCS1050E1GGA	**$771.95**
6"				BYCS1060E1LGA	**$384.30**	BYCS1060E1GGA	**$806.80**
8"				BYCS1080E1LGA	**$670.90**	BYCS1080E1GGA	**$1,093.45**

BYCN SERIES BUTTERFLY VALVES

NSF 2" - 8"

- *NSF/ANSI 61 Listed.*
- *Valves feature 316 Stainless Steel Shafts.*
- *Available with blue lever handle or gear operated.*
- *Fits both ANSI150 and PN10 Flanges.*

SIZE	DESCRIPTION			LEVER		GEAR	
	BODY	DISC	LINER	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	EPDM	BYCN1020E1LGB	**$214.65**	BYCN1020E1GGB	**$666.75**
2-1/2"				BYCN1025E1LGB	**$214.65**	BYCN1025E1GGB	**$682.35**
3"				BYCN1030E1LGB	**$244.05**	BYCN1030E1GGB	**$696.05**
4"				BYCN1040E1LGB	**$267.75**	BYCN1040E1GGB	**$719.75**
5"				BYCN1050E1LGB	**$373.80**	BYCN1050E1GGB	**$825.90**
6"				BYCN1060E1LGB	**$411.15**	BYCN1060E1GGB	**$863.35**
8"				BYCN1080E1LGB	**$717.85**	BYCN1080E1GGB	**$1,170.00**

LOCK OUT CAPS – BYV

SIZE	PART NO.	LIST PRICE	SIZE	PART NO. WITH 316SS TAB	LIST PRICE WITH 316SS TAB
2" - 3"	BYVCAPK030	$41.00	2" - 3"	BYVCAPK030L	$61.60
4"	BYVCAPK040	$41.00	4"	BYVCAPK040L	$61.60
6"	BYVCAPK060	$47.95	6"	BYVCAPK060L	$68.40
8"	BYVCAPK080	$47.95	8"	BYVCAPK080L	$68.40

BUTTERFLY VALVE OPTIONS – BYV

Add to price of butterfly valves above. Exchange 0 for an 8 to get the Titanium Shaft Adder Part Number.
e.g. Part No. BYV11020A0VL000 with a Titanium Shaft is BYV11020A8VL000.

TITANIUM SHAFT - Adder to List Price

SIZE	LIST PRICE	SIZE	LIST PRICE
2"	$735.50	8"	$2,382.15
3"	$735.50	10"	POA
4"	$866.85	12"	POA
6"	$1,425.50		

CHAIN OPERATOR - Fastens to Existing Handwheel

SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
2"	C021	$301.50	8"	C023	$392.45
3"	C021	$301.50	10"	C024	$504.60
4"	C021	$301.50	12"	C024	$504.60
6"	C023	$392.45			

STEM EXTENSION OPTIONS - BYV

STEM EXTENSION PART NUMBER MATRIX

Stem extension is a price adder to the List Price of the Butterfly Valve.
See page 43 for stem extension pricing.

BYV SERIES - Unsupported

SIZE	PART NO.	HANDLE		HANDWHEEL EXTENSION FOR GEARBOX	
		Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
2"	SPGBYV3EXT(XXXX)	L012	L120	012	180
3"	SPGBYV3EXT(XXXX)	L012	L120	012	180
4"	SPGBYV4EXT(XXXX)	L012	L120	012	180
6"	SPGBYV6EXT(XXXX)	L012	L120	012	180
8"	SPGBYV8EXT(XXXX)	L012	L120	012	180
10"	SPGBYV10EXT(XXXX)	NA	NA	012	180
12"	SPGBYV12EXT(XXXX)	NA	NA	012	180

BYV SERIES - Supported*

SIZE	PART NO.	ALUM. HOUSING/ SSTL SHAFT EXT.		SSTL HOUSING/ SSTL SHAFT EXT.		PVC HOUSING/ SSTL SHAFT EXT.	
		Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
2"	BYVK3EX(XXXXX)	012AL	120AL	012SS	120SS	012	120
3"	BYVK3EX(XXXXXX)	012AL	120AL	012SS	120SS	012	120
4"	BYVK4EX(XXXXXX)	012AL	120AL	012SS	120SS	012	120
6"	BYVK6EX(XXXXXX)	012AL	120AL	012SS	120SS	012	096
8"	BYVK8EX(XXXXXX)	012AL	120AL	012SS	120SS	012	096
10"	BYVK10EX(XXXXXX)	012AL	120AL	012SS	120SS	012	060
12"	BYVK12EX(XXXXXX)	012AL	120AL	012SS	120SS	012	060

**Standard supported stem extensions are for standard gear boxes. For non-standard gear boxes, pneumatic and electric actuators, please consult factory.*

STEM EXTENSION OPTIONS – BYB

STEM EXTENSION PART NUMBER MATRIX

Stem extension is a price adder to the List Price of the Butterfly Valve. See table below for stem extension pricing.

BYB SERIES - Supported

SIZE	PART NO.	SSTL HOUSING/ SSTL SHAFT EXT.	
		Min. Length (in.)	Max. Length (in.)
14"	HCBYB14EX(XXXXX)	012SS	120SS
16"	HCBYB16EX(XXXXX)	012SS	120SS
18"	HCBYB16EX(XXXXX)	012SS	120SS
20"	HCBYB20EX(XXXXX)	012SS	120SS
24"	HCBYB20EX(XXXXX)	012SS	120SS

STEM EXTENSION OPTIONS – BYV & BYB

BUTTERFLY VALVE STEM EXTENSION* PRICE

LENGTH	TYPE EXTENSION	LIST PRICE
First 24"	2" - 8" 316 SS/Alum Stem Extension Unsupported Lever	**$885.10**
Ea. Addtn'l 6"	2" - 8" 316 SS/Alum Stem Extension Unsupported Lever	**$59.25**
First 24"	2" - 8" Plastic supported Stem Extension for Gear Op. or Act. (not included)	**$1,144.70**
Ea. Addtn'l 6"	2" - 8" Plastic supported Stem Extension for Gear Op. or Act. (not included)	**$87.55**
First 24"	2" - 8" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	**$1,144.70**
Ea. Addtn'l 6"	2" - 8" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	**$106.35**
First 24"	2" - 8" SS supported Stem Extension for Gear Op. Act. (not included)	**$1,345.30**
Ea. Addtn'l 6"	2" - 8" SS supported Stem Extension for Gear Op. or Act. (not included)	**$118.15**
First 24"	10" - 12" Plastic supported Stem Extension for Gear Op. or Act. (not included)	**$1,274.40**
Ea. Addtn'l 6"	10" - 12" Plastic supported Stem Extension for Gear Op. or Act. (not included)	**$99.30**
First 24"	10" - 12" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	**$1,404.15**
Ea. Addtn'l 6"	10" - 12" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	**$118.15**
First 24"	10" - 12" SS supported Stem Extension for Gear Op. or Act. (not included)	**$1,616.50**
Ea. Addtn'l 6"	10" - 12" SS supported Stem Extension for Gear Op. or Act. (not included)	**$130.05**
First 24"	14" - 24" SS supported Stem Extension for Gear Op. or Act. (not included)	**$1,604.85**
Ea. Addtn'l 6"	14" - 24" SS supported Stem Extension for Gear Op. or Act. (not included)	**$200.75**

* Neither a Gear Box Operator nor an Actuator are included with stem extensions. These items must be purchased separately. Consult factory for pricing for non-standard gear boxes or actuators.

LHB SERIES MANUAL LIMIT SWITCH FOR TBH AND BYV SERIES

Price is for switch only; add the cost of the actuation-ready valve and any required options.

LHB Series: *Manual limit switch fits all sizes of TBH and BYV Series up to 8". The LHB meets ISO5211, is rated NEMA 4X and has an integral lockout. SPDT 10 amp @ 120VAC limit switches are included standard. Two additional limit switches can be added, lever or T-handle option.**

TBH SERIES

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
1/2" – 2"	LHB1TBH1S2	2 Limit Switches	$417.55
1/2" – 2"	LHB1TBH1S4	4 Limit Switches	$504.80

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2-1/2" – 6"	LHB2TBH3S2	2 Limit Switches	$517.50
2-1/2" – 6"	LHB2TBH3S4	4 Limit Switches	$619.90

BYV SERIES

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2" – 3"	LHB1BYV2S2	2 Limit Switches	$430.00
4"	LHB1BYV4S2	2 Limit Switches	$430.00
2" – 3"	LHB1BYV2S4	4 Limit Switches	$536.05
4"	LHB1BYV4S4	4 Limit Switches	$536.05

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
6"	LHB2BYV6S2	2 Limit Switches	$533.05
8"	LHB2BYV8S2	2 Limit Switches	$533.05
6"	LHB2BYV6S4	4 Limit Switches	$638.55
8"	LHB2BYV8S4	4 Limit Switches	$638.55

* TBH Limit Switch comes standard with T-Handle, lever handle optional, consult factory.

LHB SERIES MANUAL LIMIT SWITCH* WITH SPRING RETURN

Price is for switch only; add the cost of the actuation-ready valve and any required options.

TB Series**

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
1/2" – 2"	LHB1TB1S2SR	2 Limit Switches	$550.00
1/2" – 2"	LHB1TB1S4SR	4 Limit Switches	$685.55

BYV Series

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2" – 3"	LHB1BYV2S2SR	2 Limit Switches	$550.00
2" – 3"	LHB1BYV2S4SR	4 Limit Switches	$685.60

* LHB-SR's available without limit switches upon request.
** Handle operator standard.
NOTE: LHB-SR's include mounting kit.

SV SERIES TRUE UNION SOLENOID VALVES

SV Series solenoid valves are available in PVC or CPVC. Seals are FPM or EPDM. All sizes are offered with socket and threaded end connections. Standard voltage is 120 VAC. Specify optional voltage of 12 or 24 VAC/VDC or 220VAC. Normally closed only.

PVC/FPM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/2"	Socket/Threaded	SV10050STV	**$486.20**
3/4"	Socket/Threaded	SV10075STV	**$661.35**
1"	Socket/Threaded	SV10100STV	**$723.40**

CPVC/FPM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/4"	Socket/Threaded	SV20025STV	**$524.60**
1/2"	Socket/Threaded	SV20050STV	**$524.60**
3/4"	Socket/Threaded	SV20075STV	**$711.70**
1"	Socket/Threaded	SV20100STV	**$768.85**

PVC/EPDM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/2"	Socket/Threaded	SV10050STE	**$474.50**
3/4"	Socket/Threaded	SV10075STE	**$644.65**
1"	Socket/Threaded	SV10100STE	**$702.25**

CPVC/EPDM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/4"	Socket/Threaded	SV20025STE	**$510.20**
1/2"	Socket/Threaded	SV20050STE	**$510.20**
3/4"	Socket/Threaded	SV20075STE	**$685.50**
1"	Socket/Threaded	SV20100STE	**$747.50**

PVDF with FPM O-Rings

SV SERIES PVDF TRUE UNION SOLENOID VALVES

NEW

The SV Series solenoid valves molded in Natural PVDF offered with socket fusion and threaded end connections. Standard voltage is 120 VAC. Specify optional voltage of 12 or 24 VAC/VDC or 220VAC. Normally closed only.

PVDF/FPM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/2"	Socket Fusion*	SV50050SV	**$614.25**
3/4"	Socket Fusion*	SV50075SV	**$813.65**
1"	Socket Fusion*	SV50100SV	**$877.50**

PVDF/FPM SEALS			
Size	**End Conn.**	**Part No.**	**List Price**
1/2"	Threaded	SV50050TV	**$614.25**
3/4"	Threaded	SV50075TV	**$813.65**
1"	Threaded	SV50100TV	**$877.50**

SV SERIES VOLTAGE OPTIONS**		
Option	**Part No. Suffix**	**List Price**
12VAC	12AD	**$187.35**
24VAC	24AD	**$187.35**
12VDC	12AD	**$187.35**
24VDC	24AD	**$187.35**
220VAC	220A	**OPT-NC**
120VAC	-	**STD-NC**

*Socket Fusion Ends to IPS sch40/80.
Consult plant for DIN/EN pricing and part number

**Add list price of voltage option
to list price of solenoid valve.

ELECTRIC ACTUATORS – EAU & HZSN1 SERIES

Prices are for the actuator or option only;
add the cost of the valve, actuator and any options together for the total list price.

NEW

EAU1/EAU* Series

Low cost solution for light duty applications not requiring a manual override. Corrosion resistant GFPP housing, and light weight. New EAU1 design features ISO5211 mounting pad.

HZSN Series

Compact, reversing, non-spring return actuator is ideal for limited space applications and smaller size ball valves. Standard 24VAC/VDC and 85-265VAC supply and manual override. Top mounted LED status indicators.

				On/Off	Proportional
Model Torque In/lbs	**EAU28*** 120**	**EAU129** 120**	**EAU29** 120**	**HZSN1CH1 266**	**HZSN1CH8 266**
List Price	**$474.65**	**$502.25**	**$514.20**	**$629.20**	**$1,244.70**
BALL		**TBH, TB & CV SERIES**		**TBH & CVH SERIES**	
1/2"					
3/4"					
1"					
1-1/4"					
1-1/2"					
2"					
THREE WAY	**TW SERIES**			**TN & HCLA... 90 SERIES**	
1/2"					
3/4"					
1"					
1-1/4"					
1-1/2"					
2"					

* EAU actuator for TW Series 3-Way Ball valves ONLY, choose another actuator for LA Series Lateral 3-Way Ball valves.
** EAU129/EAU29 cannot be used with the "Z" ball fitted valves.
*** EAU28 applies to TW/TN Series only.

OPTIONS AND ACCESSORIES (OPTIONS AVAILABLE WHERE PRICE IS SHOWN) *ADD TO PRICE OF ACTUATOR.*		
Option	**Suffix No.**	**EAU List Price**
Voltage 12VAC	12A	**$151.30**
Voltage 12VDC	12D	**$183.50**
Voltage 120VAC	120	**STD**
Voltage 220VAC	220A	**$151.30**
Voltage 230VAC	230	**N/A**
Voltage 24VAC	24A	**$151.30**
Voltage 24VDC	24D	**$183.50**
Brake	K	**STD**
Auxiliary Limit Switch	S	**STD**
316 Stainless Steel Tags	YSS2	**$50.30**

N/A = Feature Not Applicable to actuator.
STD = Feature is Standard on actuator.

ELECTRIC ACTUATORS – ECP SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

ECP3 Series

ECP5 Series

ECP8 Series

Compact actuator for all applications. Standard 24~265VAC/VDC, 2 auxiliary limit switches, heater, LED status, position indicator and manual override. GFPP thermoplastic housing. NEMA 4X (IP67). Proportional control and battery fail safe are factory installed options available at time of order.

Model Torque In/lbs/Nm	ECP3 359/40	ECP5 530/60	ECP8 796/90
List Price	$682.05	$1,658.05	$1,904.45
TBH SERIES			
1/2"	■		
3/4"	■		
1"	■		
1-1/4"	■		
1-1/2"	■		
2"	■	■	
2-1/2" - 3"	■	■	
4" - 6"	■	■	■
TW, TN & LA SERIES			
1/2"	■		
3/4"	■		
1"	■		
1-1/4"	■		
1-1/2"	■		
2"	■	■	
2-1/2" - 3"	■	■	
4" - 6"	■	■	■
BYV SERIES			
2"	■		
3"	■		
4"		■	
6"			■

ELECTRIC ACTUATORS – ECP SERIES OPTIONS & ACCESSORIES

Prices are for the option only; add the cost of the valve, actuator and any options together for the total list price, factory installed.

OPTIONS AND ACCESSORIES *ADD TO PRICE OF ACTUATOR.*		
Option	**Suffix No.**	**ECP3 - ECP8 List Price**
Digital Positioner Kit 0-20mA, 4-20mA or 0-10V	PC	**$518.60**
BSR Battery Fail Safe Kit	BB	**$608.00**

ELECTRIC ACTUATORS – HRSN SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Heavy duty quarter-turn actuator for all applications. Standard 120 VAC, 2 Auxiliary limit switches, heater and manual override. Electrostatically coated aluminum alloy housing, NEMA 4/4X & IP67.

Model	HRSN2A	HRSN2R	HRSN3A	HRSN3B	HRSN4A	HRSN4B	HRSN4C	HRSN4D	HRSN4E	HRSN4F	HRSN5A
Torque In/lbs	HRSN2B (Handwheel) 310	HRSN2S (Handwheel) 440	880	1770	3540	5310	7080	8850	15040	20350	30970
List Price	$758.25	$1,050.90	$1,830.70	$2,183.95	$2,847.70	$3,227.40	$3,471.50	$4,041.05	$6,454.80	$6,942.95	$10,116.00
	$1,024.30	$1,316.90									
TBH & CVH SERIES											
1/2"	■	■									
3/4"	■	■									
1"	■	■									
1-1/4"	■	■									
1-1/2"	■	■									
2"	■	■									
2-1/2"	■	■									
3"	■	■									
4"	■	■									
6"	■	■									
TN & HCLA...90 SERIES											
1/2"	■	■									
3/4"	■	■									
1"	■	■									
1-1/4"	■	■									
1-1/2"	■	■									
2"	■	■									
2-1/2"	■	■									
3"	■	■									
4"	■	■									
6"	■	■									
BYV SERIES											
2"	■	■									
2-1/2"	■	■									
3"	■	■									
4"		■									
6"			■								
8"				■							
10"					■						
12"					■	■	■				
BYB SERIES											
14"								■			
16"									■		
18"									■		
20"										■	
24"											■

ELECTRIC ACTUATORS – HRSN SERIES 3 PHASE

Prices are for the actuator only; add the cost of the valve, actuator and any options together for the total list price.

Heavy duty quarter-turn actuator for all applications. **Standard torque switches, 2 Auxiliary limit switches, heater and manual override.** Electrostatically coated aluminum alloy housing.

BASIC 3 PHASE ACTUATION		• Heavy duty quarter-turn actuator for **BASIC** 3 phase applications. • These units **MUST ONLY** be used with existing remote motor control stations. • These units **MUST** be connected to a reversing 3 phase power source. • There are no phase monitor or phase reversal safeties. • NEMA 4/4X & IP67 aluminum alloy housing standard, IP68 optional. • 480/3 standard. 230/3, 380/3 and 575/3 optional.						
Model*	**Basic Only**	HRSN3AT1D1DANTR	HRSN3BT1D1DANTR	HRSN4AT1E1EANTR	HRSN4BT1F1FANTR	HRSN4CT1F1FANTR	HRSN4DT1F1FANTR	HRSN4ET1G1FANTR
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price		$2,813.40	$3,170.05	$3,812.80	$4,192.50	$4,436.55	$5,006.10	$7,419.85
Model*	**Basic Only**	HRSN4FT1G1GANTR	HRSN5AT1H1HANTR	HRSN5BT1H1HANTR	HRSN6AT1J1JANTR	HRSN7AT1K1KANTR	HRSN7BT1K1KANTR	HRSN7CT1K1KANTR
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price		$7,908.00	$10,514.65	$11,081.20	$14,256.65	$19,224.05	$20,918.80	$22,294.40

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3, to "R" for 380/3 and to "U" for 575/3.

3 PHASE NON-LCS ACTUATION		• Heavy duty quarter-turn actuator for **ON/OFF & PROPORTIONAL** Non-LCS 3 phase applications. • These units **CANNOT** be used with existing remote motor control stations. • These units **MUST** be connected to a non-reversing 3 phase power source. • These units **MUST** be connected to external controls for positioning. • These units have a built-in phase monitor and have automatic phase correction. • NEMA 4/4X & IP67 aluminum alloy housing standard, IP68 optional. • 480/3 standard. 230/3 and 380/3 optional. • Self contained 24V control transformer.						
Model*	**On/Off**	HRSN3AT1D1DANTM	HRSN3BT1D1DANTM	HRSN4AT1E1EANTM	HRSN4BT1F1FANTM	HRSN4CT1F1FANTM	HRSN4DT1F1FANTM	HRSN4ET1G1FANTM
	Mod	HRSN3AT8D1DACTM	HRSN3BT8D1DACTM	HRSN4AT8E1EACTM	HRSN4BT8F1FACTM	HRSN4CT8F1FACTM	HRSN4DT8F1FACTM	HRSN4ET8G1FACTM
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price (On/Off)		$3,546.95	$3,903.60	$4,546.20	$4,925.95	$5,170.10	$5,739.60	$8,153.35
List Price (Mod)		$4,768.00	$5,124.75	$5,767.35	$6,147.10	$6,391.20	$6,960.75	$9,374.50
Model*	**On/Off**	HRSN4FT1G1GANTM	HRSN5AT1H1HANTM	HRSN5BT1H1HANTM	HRSN6AT1J1JANTM	HRSN7AT1K1KANTM	HRSN7BT1K1KANTM	HRSN7CT1K1KANTM
	Mod	HRSN4FT8G1GACTM	HRSN5AT8H1HACTM	HRSN5BT8H1HACTM	HRSN6AT8J1JACTM	HRSN7AT8K1KACTM	HRSN7BT8K1KACTM	HRSN7CT8K1KACTM
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price (On/Off)		$8,641.50	$10,893.35	$11,248.05	$14,256.65	$19,224.05	$20,888.30	$22,263.95
List Price (Mod)		$9,862.65	$12,114.40	$12,469.20	$15,477.80	$20,445.15	$22,109.45	$23,485.05

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3 and to "R" for 380/3.

ELECTRIC ACTUATORS – HRSN SERIES 3 PHASE (CONT.)

Prices are for the actuator only; add the cost of the valve, actuator and any options together for the total list price.

Heavy duty quarter-turn actuator for all applications. **Standard torque switches, 2 Auxiliary limit switches, heater and manual override.** Electrostatically coated aluminum alloy housing.

3 PHASE TYPE CK LCS ACTUATION		• Heavy duty quarter-turn actuator for **ON/OFF & PROPORTIONAL** Type CK LCS 3 phase applications. • These units **CANNOT** be used with existing remote motor control stations. • These units **MUST** be connected to a non-reversing 3 phase power source. • These units have a built-in phase monitor and have automatic phase correction. • NEMA 4/4X & IP65 aluminum alloy housing ONLY; NO IP68 option. • 480/3 standard. 230/3 and 380/3 optional. • Self contained 24V control transformer.						
Model*	**On/Off**	HRCK3AT1D1DANTM	HRCK3BT1D1DANTM	HRCK4AT1E1EANTM	HRCK4BT1F1FANTM	HRCK4CT1F1FANTM	HRCK4DT1F1FANTM	HRCK4ET1G1FANTM
	Mod	HRCK3AT8D1DACTM	HRCK3BT8D1DACTM	HRCK4AT8E1EACTM	HRCK4BT8F1FACTM	HRCK4CT8F1FACTM	HRCK4DT8F1FACTM	HRCK4ET8G1FACTM
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price (On/Off)		$4,768.05	$4,878.05	$5,732.15	$5,900.55	$6,144.60	$6,815.85	$9,127.85
List Price (Mod)		$5,742.60	$6,099.20	$6,741.85	$7,121.60	$7,365.75	$7,935.25	$10,349.00
Model*	**On/Off**	HRCK4FT1G1GANTM	HRCK5AT1H1HANTM	HRCK5BT1H1HANTM	HRCK6AT1J1JANTM	HRCK7AT1K1KANTM	HRCK7BT1K1KANTM	HRCK7CT1K1KANTM
	Mod	HRCK4FT8G1GACTM	HRCK5AT8H1HACTM	HRCK5BT8H1HACTM	HRCK6AT8J1JACTM	HRCK7AT8K1KACTM	HRCK7BT8K1KACTM	HRCK7CT8K1KACTM
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price (On/Off)		$9,616.05	$12,789.20	$12,222.60	$15,964.65	$21,398.75	$22,626.80	$24,002.45
List Price (Mod)		$10,837.15	$14,010.30	$13,443.70	$17,185.80	$22,619.85	$23,847.95	$25,223.60

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3 and to "R" for 380/3.

3 PHASE TYPE CB LCS ACTUATION		• Heavy duty quarter-turn actuator for **ON/OFF & PROPORTIONAL** Type CB LCS 3 phase applications. • These units **CANNOT** be used with existing remote motor control stations. • These units **MUST** be connected to a non-reversing 3 phase power source. • These units have a built-in phase monitor and have automatic phase correction. • NEMA 4/4X & IP67 aluminum alloy housing ONLY; NO IP68 option. • 480/3 standard. 230/3 and 380/3 optional. • Self contained 24V control transformer.						
Model*	**On/Off**	HRCB3AT1D1DANTM	HRCB3BT1D1DANTM	HRCB4AT1E1EANTM	HRCB4BT1F1FANTM	HRCB4CT1F1FANTM	HRCB4DT1F1FANTM	HRCB4ET1G1FANTM
	Mod	HRCB3AT8D1DACTM	HRCB3BT8D1DACTM	HRCB4AT8E1EACTM	HRCB4BT8F1FACTM	HRCB4CT8F1FACTM	HRCB4DT8F1FACTM	HRCB4ET8G1FACTM
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price (On/Off)		$4,690.80	$5,047.40	$5,690.15	$6,069.90	$6,313.95	$7,037.70	$9,297.20
List Price (Mod)		$5,911.95	$6,268.55	$6,911.25	$7,291.00	$7,535.10	$8,104.60	$10,518.35
Model*	**On/Off**	HRCB4FT1G1GANTM	HRCB5AT1H1HANTM	HRCB5BT1H1HANTM	HRCB6AT1J1JANTM	HRCB7AT1K1KANTM	HRCB7BT1K1KANTM	HRCB7CT1K1KANTM
	Mod	HRCB4FT8G1GACTM	HRCB5AT8H1HACTM	HRCB5BT8H1HACTM	HRCB6AT8J1JACTM	HRCB7AT8K1KACTM	HRCB7BT8K1KACTM	HRCB7CT8K1KACTM
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price (On/Off)		$9,785.40	$12,958.50	$12,392.00	$16,134.00	$21,568.10	$22,796.20	$24,171.80
List Price (Mod)		$11,006.50	$14,179.65	$13,613.10	$17,355.15	$22,789.20	$24,017.35	$25,392.95

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3 and to "R" for 380/3.

ELECTRIC ACTUATORS – HRSN SERIES 3 PHASE (CONT.)

Prices are for the actuator only; add the cost of the valve, actuator and any options together for the total list price.

Heavy duty quarter-turn actuator for all applications. **Standard torque switches, 2 Auxiliary limit switches, heater and manual override.** Electrostatically coated aluminum alloy housing.

3 PHASE TYPE LED LCS ACTUATION		• Heavy duty quarter-turn actuator for **ON/OFF & PROPORTIONAL** Type CL LED LCS 3 phase applications. • These units **CANNOT** be used with existing remote motor control stations. • These units **MUST** be connected to a non-reversing 3 phase power source. • These units have a built-in phase monitor and have automatic phase correction. • NEMA 4/4X & IP67 aluminum alloy housing standard, IP68 optional. • 480/3 standard. 230/3 and 380/3 optional. • Self contained 24V control transformer.						
Model*	**On/Off**	HRCL3AT1D1DANTM	HRCL3BT1D1DANTM	HRCL4AT1E1EANTM	HRCL4BT1F1FANTM	HRCL4CT1F1FANTM	HRCL4DT1F1FANTM	HRCL4ET1G1FANTM
	Mod	HRCL3AT8D1DACTM	HRCL3BT8D1DACTM	HRCL4AT8E1EACTM	HRCL4BT8F1FACTM	HRCL4CT8F1FACTM	HRCL4DT8F1FACTM	HRCL4ET8G1FACTM
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price (On/Off)		$5,496.55	$5,853.20	$6,495.95	$6,875.65	$7,119.75	$7,269.50	$10,103.05
List Price (Mod)		$6,717.70	$7,074.35	$7,717.05	$8,096.75	$8,340.90	$8,910.40	$11,324.10
Model*	**On/Off**	HRCL4FT1G1GANTM	HRCL5AT1H1HANTM	HRCL5BT1H1HANTM	HRCL6AT1J1JANTM	HRCL7AT1K1KANTM	HRCL7BT1K1KANTM	HRCL7CT1K1KANTM
	Mod	HRCL4FT8G1GACTM	HRCL5AT8H1HACTM	HRCL5BT8H1HACTM	HRCL6AT8J1JACTM	HRCL7AT8K1KACTM	HRCL7BT8K1KACTM	HRCL7CT8K1KACTM
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price (On/Off)		$10,591.15	$13,764.25	$13,197.80	$16,939.80	$22,373.85	$23,601.95	$24,977.60
List Price (Mod)		$11,812.25	$14,985.40	$14,418.90	$18,160.95	$23,595.00	$24,823.10	$26,198.70

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3 and to "R" for 380/3.

3 PHASE TYPE LCD LCS ACTUATION		• Heavy duty quarter-turn actuator for **ON/OFF & PROPORTIONAL** Type CD LCD LCS 3 phase applications. • These units **CANNOT** be used with existing remote motor control stations. • These units **MUST** be connected to a non-reversing 3 phase power source. • These units have a built-in phase monitor and have automatic phase correction. • NEMA 4/4X & IP67 aluminum alloy housing standard, IP68 optional. • 480/3 standard. 230/3 and 380/3 optional. • Self contained 24V control transformer.						
Model*	**On/Off**	HRCD3AT1D1DANTM	HRCD3BT1D1DANTM	HRCD4AT1E1EANTM	HRCD4BT1F1FANTM	HRCD4CT1F1FANTM	HRCD4DT1F1FANTM	HRCD4ET1G1FANTM
	Mod	HRCD3AT8D1DACTM	HRCD3BT8D1DACTM	HRCD4AT8E1EACTM	HRCD4BT8F1FACTM	HRCD4CT8F1FACTM	HRCD4DT8F1FACTM	HRCD4ET8G1FACTM
Torque Lbs		880	1770	3570	5510	7080	8850	15040
List Price (On/Off)		$5,850.95	$6,207.55	$6,850.30	$7,230.05	$7,474.15	$8,238.40	$10,457.40
List Price (Mod)		$7,072.10	$7,428.70	$8,071.40	$8,451.20	$8,695.30	$9,264.80	$11,678.50
Model*	**On/Off**	HRCD4FT1G1GANTM	HRCD5AT1H1HANTM	HRCD5BT1H1HANTM	HRCD6AT1J1JANTM	HRCD7AT1K1KANTM	HRCD7BT1K1KANTM	HRCD7CT1K1KANTM
	Mod	HRCD4FT8G1GACTM	HRCD5AT8H1HACTM	HRCD5BT8H1HACTM	HRCD6AT8J1JACTM	HRCD7AT8K1KACTM	HRCD7BT8K1KACTM	HRCD7CT8K1KACTM
Torque Lbs		20350	30975	44250	70800	115000	140000	177000
List Price (On/Off)		$10,945.55	$14,118.70	$13,552.15	$17,294.20	$22,728.30	$23,956.35	$25,332.00
List Price (Mod)		$12,166.65	$15,339.80	$14,773.25	$18,515.30	$23,949.40	$25,177.50	$26,553.15

* Models listed in this table represent 480/3 solutions. The seventh digit would change from "T" to "M" for 230/3 and to "R" for 380/3.
**See page 48 for suggested actuator/valve combinations.

ELECTRIC ACTUATORS – HRSN SERIES
OPTIONS & ACCESSORIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Option	Suffix		HRSN2A List Price	HRSN2B List Price	HRSN2R List Price	HRSN2S List Price	HRSN3A-3B List Price	HRSN4A-4D List Price	HRSN4E-4F List Price
	Code	Position							
Torque In/lbs			310	310	440	440	880 - 1770	3570 - 8850	15040 - 20350
Voltage - 12VAC/VDC (Available up to 7080"lb)	B	7th	$163.80	$163.80	$163.80	$163.80	$211.35	$396.25	N/A
Voltage - 24VAC/VDC	E	7th	$160.85	$160.85	$160.85	$160.85	$207.40	$388.75	$530.85
Voltage - 120VAC	K	7th	STD	STD	STD	STD	STD	STD	STD
Voltage - 230VAC	L	7th	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC
On/Off Jog	1	8th	STD	STD	STD	STD	STD	STD	STD
0°-45°-90°	3	8th	$396.25	$396.25	$396.25	$396.25	$396.25	$396.25	$396.25
0°-90°-180° (HRS2A-3B Only)	D	8th	$396.25	N/A	$396.25	N/A	$396.25	N/A	N/A
Proportional Control 12VAC/VDC (available up to 7080"lb)	8	8th	$1,452.85	$1,452.85	$1,452.85	$1,452.85	$1,452.85	$1,452.85	N/A
Proportional Control 24VAC/VDC	8	8th	$1,268.00	$1,268.00	$1,268.00	$1,268.00	$1,268.00	$1,268.00	N/A
Proportional Control 120VAC	8	8th	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60
Proportional Control 230VAC	8	8th	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60	$1,241.60
2 Position Relay (RC/RO)	5/6	8th	$343.45	$343.45	$343.45	$343.45	$343.45	$343.45	$343.45
Timer Kit, Analog	7	8th	$1,056.65	$1,056.65	$1,056.65	$1,056.65	$607.55	$607.55	$607.55
Timer Kit, Digital (TOD)	B	8th	$1,122.75	$1,122.75	$1,122.75	$1,122.75	$631.95	$660.40	$660.40
2 Auxiliary Switches	A	12th	STD	STD	STD	STD	STD	STD	STD
0°-180° (on/off only) (HRS2A-3B Only)	U	13th	$264.20	$264.20	$264.20	$264.20	$330.25	N/A	N/A
Extended Duty Motor 75% (120/230VAC Only) - HRS2A-4F	T	13th	$232.55	$232.55	$232.55	$232.55	$227.30	$243.10	$243.10
Feedback Potentiometer (1K/5K/10K) (90° only)	F/G/H	13th	$198.20	$198.20	$198.20	$198.20	$198.20	$198.20	$198.20
4-20mA Feedback for on/off Actuators (90° only)	M	13th	$1,009.15	$1,009.15	$1,009.15	$1,009.15	$1,009.15	$1,009.15	$1,009.15
5th & 6th Auxiliary Switch**	B	13th	N/A	N/A	N/A	N/A	$211.35	$211.35	$211.35
IP68 Compliant Enclosure	8	3rd	$385.55	$385.55	$385.55	$385.55	$433.05	$474.95	$502.90
Torque Switches	T	15th	N/A	N/A	N/A	N/A	$528.40	$528.40	$528.40
Handwheel Manual Override	-	N/A	USE 2B	STD	USE 2S	STD	STD	STD	STD
316SS Tags	YSS2	N/A	$50.30	$50.30	$50.30	$50.30	$50.30	$50.30	$50.30

POA = Priced on Availability. Consult factory for pricing and availability.
N/A = Feature Not Applicable to actuator.
STD = Feature is Standard to actuator.
* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.
Not all options are available across the entire product range (Consult Hayward).
**5th & 6th Aus Switch Option on 3A, 3B Series available On/Off ONLY. 4 Series and larger no restrictions.

ELECTRIC ACTUATORS – HRSN SERIES BATTERY BACKUP

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

HRS Series Electronic Fail-Safe System: Heavy duty quarter-turn actuator for all applications. Standard 24VAC/VDC On/Off, 2 Auxiliary limit switches, heater and manual override. Electrostatically coated aluminum alloy housing, NEMA 4/4X & IP67. Extended duty motor standard. Use Transformer Package for 120v or 230v applications.

2 Series

3 Series

4 Series

Model	Battery Backup							
	HRSN2AE..2X	HRSN2RE..2X						
Torque In/lbs	HRSN2BE..20 (Handwheel) 310	HRSN2SE..20 (Handwheel) 440	HRSN3AE..20 880	HRSN3BE..20 1770	HRSN4AE..20 3540	HRSN4BE..20 5310	HRSN4CE..20 7080	HRSN4DE..20 8850
List Price	$1,861.75	$2,589.65	$3,695.70	$4,004.50	$5,044.95	$5,373.65	$5,585.00	$6,078.10
	$2,096.60	$2,824.50						
TBH & CVH SERIES								
1/2"	■	■						
3/4"	■	■						
1"	■	■						
1-1/4"	■	■						
1-1/2"	■	■						
2"	■	■						
2-1/2"	■	■						
3"	■	■						
4"	■	■						
6"	■	■						
TN & HCLA...90 SERIES								
1/2"	■	■						
3/4"	■	■						
1"	■	■						
1-1/4"	■	■						
1-1/2"	■	■						
2"	■	■						
2-1/2"	■	■						
3"	■	■						
4"	■	■						
6"	■	■						
BYV SERIES								
2"	■	■						
2-1/2"	■	■						
3"	■	■						
4"		■	■					
6"			■	■				
8"				■	■			
10"					■			
12"					■	■	■	
BYB SERIES								
14"								■
16"								
18"								
20"								
24"								

ELECTRIC ACTUATORS – HRSN SERIES SUPERCAPACITOR BACKUP & BATTERY BACKUP (CONT.)

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

HRS Series Electronic Fail-Safe System: Heavy duty quarter-turn actuator for all applications. Standard 24VAC/VDC On/Off, 2 Auxiliary limit switches, heater and manual override. Electrostatically coated aluminum alloy housing, NEMA 4/4X & IP67. Extended duty motor standard. Use Transformer Package for 120v or 230v applications.

Model Torque In/lbs	Battery Backup							
	HRSN2AE..2X HRSN2BE..20 (Handwheel) 310	HRSN2RE..2X HRSN2SE..20 (Handwheel) 440	HRSN3AE..20 880	HRSN3BE..20 1770	HRSN4AE..20 3540	HRSN4BE..20 5310	HRSN4CE..20 7080	HRSN4DE..20 8850
List Price	**$1,861.75** **$2,096.60**	**$2,589.65** **$2,824.50**	**$3,695.70**	**$4,004.50**	**$5,044.95**	**$5,373.65**	**$5,585.00**	**$6,078.10**
TRANSFORMER PANELS FOR 120VAC AND 230VAC APPLICATIONS (HRSBBCVVV-AAA***)**								
120VAC	120-100	120-100	120-250	120-250	120-500	120-500	120-500	120-500
230VAC	230-100	230-100	230-250	230-250	230-500	230-500	230-500	230-500
LIST	**$1,095.40**	**$1,095.40**	**$1,095.40**	**$1,095.40**	**$1,206.15**	**$1,206.15**	**$1,363.95**	**$1,363.95**
OPTIONS AND ACCESSORIES								
12VAC/VDC								
24VAC/VDC								
120VAC								
230VAC								
ON/OFF/JOG								
PROPORTIONAL CONTROLS* (-8)	**$1,268.00**	**$1,268.00**	**$1,268.00**	**$1,268.00**	**$1,268.00**	**$1,268.00**	**$1,268.00**	**$1,268.00**
2 AUX SW								
EXTENDED DUTY MOTOR								
IP68 COMPLIANT EXCLOSURE	**$385.55**	**$385.55**	**$433.05**	**$433.05**	**$474.95**	**$474.95**	**$474.95**	**$474.95**
TORQ. SW (-TM / TC)	**N/A**		**$528.40**	**$528.40**	**$528.40**	**$528.40**	**$528.40**	**$528.40**

*All voltages
**VVV = Primary Voltage
***AAA = VA Rating

ELECTRIC ACTUATORS – HRSN SERIES
LOCAL CONTROL STATIONS

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

HRCK Key/Knob interface with IP65 round enclosure which employs a key switch for the Mode select, a knob switch for Move commands and three LED indicators indicating Power, Open and Closed positions.

HRCB Knob/Knob interface with IP67 round enclosure which utilizes rotary switches to select Remote/Local Mode, Open/Stop/Close Mode and LED indicators to show Power, Fully Open and Fully Closed positions.

HRCL LED interface with IP67 rectangular enclosure integral with the actuator housing. This model has non-intrusive magnetic type knob switches for Mode and Position control. Also employs an LED panel mounted behind glass with indicators for Open, Close, Remote, Local and Fault. (Optional IP68 Enclosure)

HRCD w/LCD with IP67 rectangular enclosure integral with the actuator housing. This model features non-intrusive magnetic type knob switches for Mode and Position control. The CD utilizes a monochrome (blue) LCD panel that provides graphic information regarding the status of the actuator directions. Also features LED indicators above the screen that show Local, Remote, Open and Closed functions. (Optional IP68 Enclosure)

Model	HRCK2A / HRCK2B	HRCK2R / HRCK2S	HRCK3A	HRCK3B	HRCK4A	HRCK4B	HRCK4C	HRCK4D
Torque in-lbs	310	440	880	1770	3540	5310	7080	8850
24VAC/VDC	$1,593.55 / $1,851.70	$1,877.50 / $2,135.80	$2,663.20	$3,002.85	$3,792.80	$4,154.35	$4,386.80	$4,929.20
120/230VAC	$1,435.90 / $1,693.95	$1,720.00 / $1,978.30	$2,460.00	$2,806.25	$3,411.75	$3,773.45	$4,005.90	$4,548.30
OPTIONS AND ACCESSORIES								
12vac/vdc	Use 24VAC/VDC Price Above				-			
On/Off/Jog	STANDARD							
Proportional 12VAC/VDC	-	$1,452.85						-
Proportional 24VAC/VDC	$1,268.00							
Proportional 120/230VAC	$1,241.60							
2 Aux Sw	STANDARD							
Heater	STANDARD							
Ext Duty Motor*	$232.55	$227.30			$243.10			
IP68 Compliant	-	-			-			
Torque Switches	-	$528.40						

*120/230V Only. 24VAC/VDC Standard with Extended Duty Motor.

ELECTRIC ACTUATORS – HRSN SERIES
LOCAL CONTROL STATIONS (CONT.)

Prices are for the actuator or the option only; add the cost of the valve, actuator and any options together for the total list price.

Model	HRCB3A	HRCB3B	HRCB4A	HRCB4B	HRCB4C	HRCB4D	HRCB4E
Torque in-lbs	880	1770	3540	5310	7080	8850	15040
24VAC/VDC	$3,342.50	$3,682.15	$4,472.10	$4,833.65	$5,066.10	$5,608.50	$8,067.35
120/230VAC	$3,139.30	$3,478.95	$4,091.10	$4,452.75	$4,685.20	$5,227.60	$7,526.40
Model	HRCL3A	HRCL3B	HRCL4A	HRCL4B	HRCL4C	HRCL4D	HRCL4E
Torque in-lbs	880	1770	3540	5310	7080	8850	15040
24VAC/VDC	$3,495.10	$3,834.80	$4,624.70	$4,986.25	$5,218.75	$5,761.20	$8,219.95
120/230VAC	$3,291.90	$3,630.90	$4,243.75	$4,605.35	$4,837.85	$5,380.25	$7,679.05
Model	HRCD3A	HRCD3B	HRCD4A	HRCD4B	HRCD4C	HRCD4D	HRCD4E
Torque in-lbs	880	1770	3540	5310	7080	8850	15040
24VAC/VDC	$4,525.95	$4,865.55	$5,655.50	$6,017.10	$6,249.55	$6,792.00	$9,250.80
120/230VAC	$4,322.80	$4,662.40	$5,274.60	$5,636.10	$5,868.65	$6,411.10	$8,709.85
OPTIONS AND ACCESSORIES							
12vac/vdc	-						
On/Off/Jog	STANDARD						
Proportional 12VAC/VDC	-						
Proportional 24VAC/VDC	$1,268.00						-
Proportional 120/230VAC	$1,241.60						
2 Aux Sw	STANDARD						
Heater	STANDARD						
Ext Duty Motor*	$227.30		$243.10				
IP68 Compliant**	$433.05		$474.95				$502.90
Torque Switches	$528.40						

*120/230V Only. 24VAC/VDC Standard with Extended Duty Motor.
**HRCL/HRCD Only

PNEUMATIC ACTUATORS – PCD/S & PMD/S/4 SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

PCD/S Series:

Best choice for heavy duty applications. Compact with 4 piston rack and pinion design. IS05211 mounting base. Namur solenoid mount. Manual override.

PMD/S Series

Double Acting or Spring Return rack and pinion design with corrosion resistant plastic housing for harsh environmental conditions. Light duty applications.

PMD4/PMS4 Series

Lightweight Double Acting or Spring Return rack and pinion design with Glass Filled Polypropylene housing. Ideal for very corrosive applications and environments.

Model Torque In/lbs	PCD15 172	PCD20 311	PCD25 639	PCD35 1848	PCD45 3622	PCD60 8585	PCD75 15856	PMD15 275	PMD415 275	PMD419 500
List Price	$376.75	$516.40	$694.45	$1,046.00	$1,836.50	$3,295.50	$4,104.65	$273.05	$294.70	$457.20
TBH & CVH SERIES										
1/2"	■							■	■	
3/4"	■							■	■	
1"	■							■	■	
1-1/4"	■							■	■	
1-1/2"	■							■	■	
2"	■							■	■	
2-1/2"		■								■
3"		■								■
4"		■								■
6"		■								■
TN & HCLA...90 SERIES										
1/2"	■							■	■	
3/4"	■							■	■	
1"	■							■	■	
1-1/4"	■							■	■	
1-1/2"	■							■	■	
2"	■							■	■	
2-1/2"		■								■
3"		■								■
4"		■								■
6"		■								■
BYV SERIES										
2"		■						■	■	■
2-1/2"		■						■	■	■
3"		■						■	■	■
4"			■							■
6"			■							
8"				■						
10"					■					
12"					■					
BYB SERIES										
14"						■				
16"							■			
18"							■			
20"										
24"										

All actuator sizing based on 80 PSI air.

PNEUMATIC ACTUATORS – PCD/S & PMD/S/4 SERIES (cont.)

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model Torque* In/lbs	PCS15 61	PCS20 109	PCS25 217	PCS30 345	PCS35 607	PCS45 1218	PCS60 2857	PMS15 107	PMS415 107	PMS420 193
List Price	$418.90	$540.00	$801.30	$975.45	$1,284.25	$2,042.15	$3,201.90	$316.15	$348.80	$552.05
TBH & CVH SERIES										
1/2"	■							■	■	
3/4"	■							■	■	
1"	■							■	■	
1-1/4"		■						■	■	
1-1/2"		■						■	■	
2"		■						■	■	
2-1/2"			■							■
3"			■							■
4"			■							■
6"			■							■
TN & HCLA...90 SERIES										
1/2"	■							■	■	
3/4"	■							■	■	
1"	■							■	■	
1-1/4"		■						■	■	
1-1/2"		■						■	■	
2"		■						■	■	
2-1/2"			■							■
3"				■						■
4"				■						■
6"				■						■
BYV SERIES										
2"			■							■
2-1/2"			■							
3"			■							
4"				■						
6"					■					
8"						■				
10"							■			
12"										

All actuator sizing based on 80 PSI air.
*Torque at end of spring travel.

PNEUMATIC ACTUATORS – PMD6 ALUMINUM SERIES

Aluminum body rack and pinion opposed piston design for industrial or heavy duty applications. Double acting.

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model Torque In/lbs	PMD604 80	PMD612 125	PMD614 207	PMD616 275	PMD621 500	PMD626 750	PMD636 1600	PMD641 2000	PMD646 3125	PMD651 4500	PMD661 9100	PMD667 12000	PMD671 23500
List Price	$140.55	$205.40	$255.85	$280.80	$365.35	$417.95	$687.30	$849.75	$953.90	$1,514.05	$2,488.30	$2,935.70	$6,402.85
TBH & CVH SERIES													
1/2"	■	■	■										
3/4"	■	■	■										
1"	■	■	■										
1-1/4"		■	■										
1-1/2"		■	■										
2"		■	■										
2-1/2"			■										
3"			■										
4"				■									
6"				■									
TN & HCLA...90 SERIES													
1/2"	■	■	■										
3/4"	■	■	■										
1"	■	■	■										
1-1/4"		■	■										
1-1/2"		■	■										
2"		■	■										
2-1/2"			■										
3"			■										
4"				■									
6"				■									
BYV SERIES													
2"		■	■	■									
2-1/2"				■									
3"				■	■								
4"					■	■							
6"						■	■						
8"							■	■	■				
10"									■	■			
12"										■			
BYB SERIES													
14"											■	■	
16"												■	■
18"													■
20"													■
24"													■

All actuator sizing based on 80 PSI air.

PNEUMATIC ACTUATORS – PMS6 ALUMINUM SERIES

Aluminum body rack and pinion opposed piston design for industrial or heavy duty applications. Spring return.

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model Torque* In/lbs	PMS614 77	PMS616 107	PMS621 193	PMS626 260	PMS631 373	PMS636 571	PMS641 737	PMS651 1749	PMS661 3734	PMS671 8637	PMS676 11598
List Price	$410.00	$446.60	$596.90	$669.60	$710.25	$1,058.30	$1,291.00	$2,137.35	$3,559.75	$11,185.05	$12,329.75
TBH & CVH SERIES											
1/2"	■	■									
3/4"	■	■									
1"		■									
1-1/4"		■									
1-1/2"		■									
2"		■	■								
2-1/2"			■								
3"			■	■							
4"				■							
6"				■	■						
TN & HCLA...90 SERIES											
1/2"	■	■									
3/4"	■	■									
1"	■	■									
1-1/4"		■									
1-1/2"		■									
2"		■	■								
2-1/2"			■								
3"			■	■							
4"				■							
6"				■	■						
BYV SERIES											
2"		■	■	■							
2-1/2"				■							
3"				■	■	■					
4"						■					
6"						■	■	■			
8"								■			
10"									■		
12"									■		
BYB SERIES											
14"										■	
16"											■

All actuator sizing based on 80 PSI air.
*Torque at end of spring travel.

PNEUMATIC ACTUATORS – PCD/S & PMD/S/4/6 SERIES OPTIONS & ACCESSORIES

Options and Accessories *Add to price of actuator*			
	Option	**Suffix #**	**List Price**
VOLTAGE OPTIONS	Voltage 12 VDC	12D	**$41.00**
	Voltage 24 VAC	24A	**$41.00**
	Voltage 24 VDC	24D	**$41.00**
	Voltage 115VAC	-	**STD**
	Voltage 220 VAC	220A	**$40.25**
	Voltage 240 VAC	240A	**$40.25**
SOLENOID VALVES*	Valve, 4-Way, NEMA 4, 115VAC (PMD, PMD4, PMD6, PCD)	A8	**$281.10**
	Valve, 3-Way, NEMA 4, 115VAC (PMS, PMS4, PMS6, PCS)	A9	**$281.10**
	4-Way, NEMA 7 (PMD, PMD4, PMD6, PCD)	AA8	**$415.90**
	3-Way, NEMA 7 (PMS, PMS4, PMS6, PCS)	AA9	**$415.90**
	Air Filter/Regulator	A10	**$165.95**
POSITIONERS	Pneumatic Positioner 3-15 PSI Input	C**	**$1,876.85**
	Electro/Pneumatic Positioner 4-20 mA Input	C2**	**$2,692.40**
	Optional Beacon Positioner Indicator	R2	**$133.20**
	Optional Position Transmitter 4-20 mA Output	R5	**$1,439.95**
	2 SPDT Mech Switches mounted inside C or C2	R9	**$535.50**
	2 SPDT Prox Switches mounted inside C or C2	R10	**$585.70**
LIMIT SWITCHES	2 SPDT Mech Switches, Flat Cover, NEMA 4X, 10 Amps Zytel	S2	**$456.60**
	2 SPDT Mech Switches, Beacon, NEMA 4X, 10 Amps Zytel	S4	**$521.65**
	2 SPDT Prox Switches, Flat Cover, NEMA 4/7/9, C1D1 3 Amps	SA2	**$739.85**
	2 SPDT Prox Switches, Beacon, NEMA 4/7/9, C1D1 3 Amps	SA4	**$817.05**
MISC.	Speed Control (Air / Spring)	T3	**$65.15**
	Speed Control (Air / Air)	T4	**$128.05**
	316 Stainless Steel Tags	YSS2	**$50.30**

POA = Priced on Availability. Consult factory for pricing and availability.

* CSA listed Solenoid Valves available – consult factory.

** Must order a C or C2 option in order to add the R2 or R5 option.

PNEUMATIC ACTUATORS FOR DIAPHRAGM VALVES

Actuators are Air to Spring, normally closed, or Air to Air. Prices include Actuator and mounting kit only. Valve cost is separate line item. Not available in normally open.

Air to Spring Actuation		
Size	**Part No.**	**List Price**
1/2"	PSA005	**$634.45**
3/4"	PSA007	**$665.70**
1"	PSA010	**$766.75**
1-1/4"	PSA012	**$997.50**
1-1/2"	PSA015	**$997.50**
2"	PSA020	**$1,379.85**
2-1/2"	PSA025	**$1,560.25**
3"	PSA030	**$1,656.80**
4"	PSA040	**$1,961.40**

Air to Air Actuation		
Size	**Part No.**	**List Price**
1/2"	PDA005	**$488.10**
3/4"	PDA007	**$512.15**
1"	PDA010	**$589.85**
1-1/4"	PDA012	**$767.35**
1-1/2"	PDA015	**$767.35**
2"	PDA020	**$1,061.35**
2-1/2"	PDA025	**$1,200.35**
3"	PDA030	**$1,274.55**
4"	PDA040	**$1,508.75**

Pneumatic Options		
Item	**Suffix**	**List Price**
Max Stroke Limiter	L1	**STD**
Solenoid Valve	A8 (A/A)	**$602.35**
Solenoid Valve	A9 (A/S)	**$602.35**

N/A = Feature Not Applicable.

DAB SERIES DIAPHRAGM VALVES – TRUE UNION

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see page 61.

PVC - FPM Diaphragm - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UFF	$177.35	1-1/4"	Skt/Thd	DAB1012UFF	$380.85
3/4"	Skt/Thd	DAB1007UFF	$199.05	1-1/2"	Skt/Thd	DAB1015UFF	$380.85
1"	Skt/Thd	DAB1010UFF	$248.80	2"	Skt/Thd	DAB1020UFF	$451.30

PVC - EPDM Diaphragm - EPDM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UEE	$141.00	1-1/4"	Skt/Thd	DAB1012UEE	$305.75
3/4"	Skt/Thd	DAB1007UEE	$160.20	1-1/2"	Skt/Thd	DAB1015UEE	$305.75
1"	Skt/Thd	DAB1010UEE	$199.05	2"	Skt/Thd	DAB1020UEE	$361.35

PVC - PTFE/EPDM Diaphragm* - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UPF	$269.40	1-1/4"	Skt/Thd	DAB1012UPF	$565.35
3/4"	Skt/Thd	DAB1007UPF	$286.15	1-1/2"	Skt/Thd	DAB1015UPF	$585.45
1"	Skt/Thd	DAB1010UPF	$388.10	2"	Skt/Thd	DAB1020UPF	$695.10

CPVC - FPM Diaphragm - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UFF	$358.30	1-1/4"	Skt/Thd	DAB2012UFF	$688.55
3/4"	Skt/Thd	DAB2007UFF	$386.35	1-1/2"	Skt/Thd	DAB2015UFF	$688.55
1"	Skt/Thd	DAB2010UFF	$475.95	2"	Skt/Thd	DAB2020UFF	$747.90

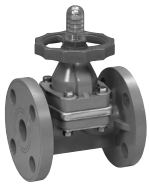
CPVC - EPDM Diaphragm - EPDM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UEE	$274.40	1-1/4"	Skt/Thd	DAB2012UEE	$583.65
3/4"	Skt/Thd	DAB2007UEE	$330.20	1-1/2"	Skt/Thd	DAB2015UEE	$583.65
1"	Skt/Thd	DAB2010UEE	$363.65	2"	Skt/Thd	DAB2020UEE	$673.15

CPVC - PTFE/EPDM Diaphragm* - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UPF	$407.15	1-1/4"	Skt/Thd	DAB2012UPF	$817.10
3/4"	Skt/Thd	DAB2007UPF	$433.10	1-1/2"	Skt/Thd	DAB2015UPF	$824.35
1"	Skt/Thd	DAB2010UPF	$518.90	2"	Skt/Thd	DAB2020UPF	$855.75

* All PTFE diaphragm valves are available with a PVDF vapor barrier, use Suffix A. See **page 64** for adder.
Consult Factory for PP & PVDF diaphragm valves.



DAB SERIES DIAPHRAGM VALVES – FLANGED

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see page 61.

PVC - FPM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB1010FFK	$317.90	2-1/2"	Flanged	DAB1025FFK	$741.70
1-1/4"	Flanged	DAB1012FFK	$429.10	3"	Flanged	DAB1030FFK	$964.45
1-1/2"	Flanged	DAB1015FFK	$429.10	4"	Flanged	DAB1040FFK	$1,310.05
2"	Flanged	DAB1020FFK	$532.10	6"	Flanged	DAB1060FFK	$3,394.85

PVC - EPDM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB1010FEK	$269.35	2-1/2"	Flanged	DAB1025FEK	$667.80
1-1/4"	Flanged	DAB1012FEK	$356.15	3"	Flanged	DAB1030FEK	$841.35
1-1/2"	Flanged	DAB1015FEK	$356.15	4"	Flanged	DAB1040FEK	$1,197.00
2"	Flanged	DAB1020FEK	$482.30	6"	Flanged	DAB1060FEK	$2,713.10

PVC - PTFE/EPDM Diaphragm*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB1010FPK	$427.15	2-1/2"	Flanged	DAB1025FPK	$1,077.40
1-1/4"	Flanged	DAB1012FPK	$565.35	3"	Flanged	DAB1030FPK	$1,373.45
1-1/2"	Flanged	DAB1015FPK	$620.85	4"	Flanged	DAB1040FPK	$1,790.30
2"	Flanged	DAB1020FPK	$715.20	6"	Flanged	DAB1060FPK	$4,747.95

CPVC - FPM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB2010FFK	$491.25	2-1/2"	Flanged	DAB2025FFK	$1,287.05
1-1/4"	Flanged	DAB2012FFK	$758.25	3"	Flanged	DAB2030FFK	$1,932.40
1-1/2"	Flanged	DAB2015FFK	$758.25	4"	Flanged	DAB2040FFK	$2,651.20
2"	Flanged	DAB2020FFK	$882.90				

* All PTFE diaphragm valves are available with a PVDF vapor barrier, use Suffix A. See **page 64** for adder.
Consult Factory for PP & PVDF diaphragm valves.
Flanged DAB Series offered in 1/2" and 3/4" available upon request.

DAB SERIES DIAPHRAGM VALVES – FLANGED (cont.)

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see page 61.

CPVC - EPDM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB2010FEK	**$438.45**	**2-1/2"**	Flanged	DAB2025FEK	**$1,132.75**
1-1/4"	Flanged	DAB2012FEK	**$589.15**	**3"**	Flanged	DAB2030FEK	**$1,489.95**
1-1/2"	Flanged	DAB2015FEK	**$613.95**	**4"**	Flanged	DAB2040FEK	**$1,973.10**
2"	Flanged	DAB2020FEK	**$687.40**				

CPVC - PTFE/EPDM Diaphragm*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	DAB2010FPK	**$596.30**	**2-1/2"**	Flanged	DAB2025FPK	**$1,820.25**
1-1/4"	Flanged	DAB2012FPK	**$750.70**	**3"**	Flanged	DAB2030FPK	**$2,226.85**
1-1/2"	Flanged	DAB2015FPK	**$882.55**	**4"**	Flanged	DAB2040FPK	**$3,156.10**
2"	Flanged	DAB2020FPK	**$999.40**				

* All PTFE diaphragm valves are available with a PVDF vapor barrier, use Suffix A. See below for adder.
Consult Factory for PP & PVDF diaphragm valves.
Flanged DAB Series offered in 1/2" and 3/4" available upon request.

PVDF - Vapor Barrier *ADDER (For True Union and Flanged, ONLY with PTFE diaphragm)*

SIZE	SUFFIX NO.	LIST PRICE	SIZE	SUFFIX NO.	LIST PRICE
1/2"	A	**$46.35**	**2-1/2"**	A	**$232.05**
3/4"	A	**$52.75**	**3"**	A	**$294.00**
1"	A	**$76.95**	**4"**	A	**$418.80**
1-1/4 "- 1-1/2"	A	**$114.20**	**5"**	A	**$698.20**
2"	A	**$143.85**	**6"**	A	**$1,068.00**

*Only for PTFE diaphragms

RV SERIES
PRESSURE RELIEF VALVES

All Pressure Relief Valves can be set from 5-75 PSI and are assembled with silicone free lubricant.*

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Threaded	RV1050T	$545.55	$533.25	RV2050T	$799.85	$787.20
3/4"	Threaded	RV1075T	$614.75	$600.35	RV2075T	$901.65	$886.85
1"**	Threaded	RV1100T	$733.60	$720.85	RV2100T	$1,073.55	$1,046.40
1-1/2"	Threaded	RV1150T	$950.20	$930.60	RV2150T	$1,393.25	$1,376.15
2"**	Threaded	RV1200T	$1,123.10	$1,105.80	RV2200T	$1,649.90	$1,633.05

* For set pressures below 25 PSI, add "L" to part number for low pressure spring.
** 1" and 2" Flanged - POA.
*** For Valves to have a Preset Pressure, add part number "SET-PRESSURE1". List Price Adder of **$125.00** per valve to set.
**** Advise pressure set requirements upon ordering. Keep to 1 PSI increments only.

PR SERIES
PRESSURE REGULATOR VALVES

All Pressure Regulators have FPM seals, can be set from 5 to 75 PSI and are assembled with water soluble, silicone free lubricant.

		PVC		CPVC	
SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	PR10025T	$614.75	PR20025T	$896.35
1/2"	Threaded	PR10050T	$676.40	PR20050T	$1,007.95
3/4"	Threaded	PR10075T	$1,147.95	PR20075T	$1,601.45
1"	Threaded	PR10100T	$1,337.65	PR20100T	$1,850.15
1-1/2"	Threaded	PR10150T	$1,549.75	PR20150T	$2,132.15

AV SERIES ANGLE GLOBE VALVES

All Angle Globe Valves are assembled with silicone free lubricant and have an FPM o-ring seal and seat.

PVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	AV10025T	$100.95	1"	Threaded	AV10100T	$207.95
1/2"	Threaded	AV10050T	$144.40	1-1/2"	Threaded	AV10150T	$329.95
3/4"	Threaded	AV10075T	$171.20	2"	Threaded	AV10200T	$471.85

CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	AV20025T	$224.50	1"	Threaded	AV20100T	$316.05
1/2"	Threaded	AV20050T	$284.30	-	-	-	-
3/4"	Threaded	AV20075T	$248.25	-	-	-	-

PBV SERIES DIAPHRAGM BACK PRESSURE VALVES

NSF PVC

Designed to enhance the performance of chemical feed systems by applying a continuous back pressure to the chemical feed pump, while also acting as an anti-siphon valve. Standard valve has 10 - 150 psi spring range, with PTFE/EPDM diaphragm. Valves with 0 - 50 psi and 10 - 250 psi spring available, as well as with PTFE/FPM diaphragm. Spare Parts and rebuild kits available.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V1)	EPDM (E1)	PART NO.	FPM (V1)	EPDM (E1)
1/4"	Threaded	PBV1025TP(XX)	$233.35	$233.35	PBV2025TP(XX)	$336.00	$336.00
3/8"	Threaded	PBV1037TP(XX)	$233.35	$233.35	PBV2037TP(XX)	$336.00	$336.00
	Threaded	PBV1050TP(XX)	$253.90	$253.90	PBV2050TP(XX)	$459.10	$459.10
1/2"	True Union	PBV1050UP(XX)	$471.95	$471.95	PBV2050UP(XX)	$634.40	$634.40
	Flanged	PBV1050FP(XX)	$428.50	$428.50	PBV2050FP(XX)	$726.65	$726.65
	Threaded	PBV1075TP(XX)	$513.35	$513.35	PBV2075TP(XX)	$655.65	$655.65
3/4"	True Union	PBV1075UP(XX)	$552.00	$552.00	PBV2075UP(XX)	$716.30	$716.30
	Flanged	PBV1075FP(XX)	$603.95	$603.95	PBV2075FP(XX)	$771.35	$771.35
	Threaded	PBV1100TP(XX)	$663.05	$663.05	PBV2100TP(XX)	$909.35	$909.35
1"	True Union	PBV1100UP(XX)	$712.95	$712.95	PBV2100UP(XX)	$954.20	$954.20
	Flanged	PBV1100FP(XX)	$780.10	$780.10	PBV2100FP(XX)	$1,069.80	$1,069.80
	Threaded	PBV1150TP(XX)	$1,457.95	$1,457.95	PBV2150TP(XX)	$2,201.45	$2,201.45
1-1/2"	True Union	PBV1150UP(XX)	$1,567.65	$1,567.65	PBV2150UP(XX)	$2,361.20	$2,361.20
	Flanged	PBV1150FP(XX)	$1,715.20	$1,715.20	PBV2150FP(XX)	$2,589.95	$2,589.95
	Threaded	PBV1200TP(XX)	$1,649.95	$1,649.95	PBV2200TP(XX)	$2,428.80	$2,428.80
2"	True Union	PBV1200UP(XX)	$1,898.15	$1,898.15	PBV2200UP(XX)	$2,986.65	$2,986.65
	Flanged	PBV1200FP(XX)	$1,941.15	$1,941.15	PBV2200FP(XX)	$2,857.40	$2,857.40
3"	Flanged	PBV1300FP(XX)	$3,470.15	$3,470.15	PBV2300FP(XX)	$5,028.05	$5,028.05
4"	Flanged	PBV1400FP(XX)	$3,470.15	$3,470.15	PBV2400FP(XX)	$5,028.05	$5,028.05

SIZE	END CONN.	PP	LIST PRICE		PVDF	LIST PRICE	
		PART NO.	FPM (V1)	EPDM (E1)	PART NO.	FPM (V1)	EPDM (E1)
1/4"	Threaded	PBV3025TP(XX)	POA	$242.00	PBV5025TP(XX)	POA	$501.65
3/8"	Threaded	PBV3037TP(XX)	POA	$242.00	PBV5037TP(XX)	POA	$501.65
1/2"	Threaded	PBV3050TP(XX)	POA	$262.65	PBV5050TP(XX)	POA	$730.45
3/4"	Threaded	PBV3075TP(XX)	POA	$526.60	PBV5075TP(XX)	POA	$1,044.25
1"	Threaded	PBV3100TP(XX)	POA	$677.65	PBV5100TP(XX)	POA	$1,273.10
1-1/2"	Threaded	PBV3150TP(XX)	POA	$1,542.95	PBV5150TP(XX)	POA	$3,427.45
2"	Threaded	PBV3200TP(XX)	POA	$1,739.50	PBV5200TP(XX)	POA	$3,558.00
3"	Flanged	PBV3300FP(XX)	POA	POA	PBV5300FP(XX)	POA	POA
4"	Flanged	PBV3400FP(XX)	POA	POA	PBV5400FP(XX)	POA	POA

RPV SERIES DIAPHRAGM PRESSURE RELIEF VALVES

NSF PVC

Protects chemical feed systems from damage caused by defective equipment or a blockage in the chemical feed line. Standard valve has 10 - 150 psi spring range, with PTFE/EPDM diaphragm. Valves with 0 - 50 psi and 10 - 250 psi spring available, as well as with PTFE/FPM diaphragm. Spare Parts and rebuild kits available.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (V1)	EPDM (E1)	PART NO.	FPM (V1)	EPDM (E1)
1/4"	Threaded	RPV1025TP(XX)	$264.10	$264.10	RPV2025TP(XX)	$375.65	$375.65
3/8"	Threaded	RPV1037TP(XX)	$264.10	$264.10	RPV2037TP(XX)	$375.65	$375.65
1/2"	Threaded	RPV1050TP(XX)	$267.00	$267.00	RPV2050TP(XX)	$617.65	$617.65
	True Union	RPV1050UP(XX)	$471.95	$471.95	RPV2050UP(XX)	$634.40	$634.40
	Flanged	RPV1050FP(XX)	$428.50	$428.50	RPV2050FP(XX)	$726.65	$726.65
3/4"	Threaded	RPV1075TP(XX)	$553.00	$553.00	RPV2075TP(XX)	$714.30	$714.30
	True Union	RPV1075UP(XX)	$614.45	$614.45	RPV2075UP(XX)	$757.20	$757.20
	Flanged	RPV1075FP(XX)	$650.60	$650.60	RPV2075FP(XX)	$840.40	$840.40
1"	Threaded	RPV1100TP(XX)	$712.90	$712.90	RPV2100TP(XX)	$932.85	$932.85
	True Union	RPV1100UP(XX)	$792.10	$792.10	RPV2100UP(XX)	$954.20	$954.20
	Flanged	RPV1100FP(XX)	$838.70	$838.70	RPV2100FP(XX)	$1,097.50	$1,097.50
1-1/2"	Threaded	RPV1150TP(XX)	$1,457.95	$1,457.95	RPV2150TP(XX)	$2,201.45	$2,201.45
	True Union	RPV1150UP(XX)	$1,619.90	$1,619.90	RPV2150UP(XX)	$2,363.75	$2,363.75
	Flanged	RPV1150FP(XX)	$1,715.20	$1,715.20	RPV2150FP(XX)	$2,589.95	$2,589.95
2"	Threaded	RPV1200TP(XX)	$1,649.95	$1,649.95	RPV2200TP(XX)	$2,428.80	$2,428.80
	True Union	RPV1200UP(XX)	$1,898.15	$1,898.15	RPV2200UP(XX)	$2,986.65	$2,986.65
	Flanged	RPV1200FP(XX)	$1,941.15	$1,941.15	RPV2200FP(XX)	$2,857.40	$2,857.40
3"	Flanged	RPV1300FP(XX)	$5,028.05	$3,470.15	RPV2300FP(XX)	$5,028.05	$5,028.05
4"	Flanged	RPV1400FP(XX)	$5,028.05	$3,470.15	RPV2400FP(XX)	$5,028.05	$5,028.05

SIZE	END CONN.	PP	LIST PRICE		PVDF	LIST PRICE	
		PART NO.	FPM (V1)	EPDM (E1)	PART NO.	FPM (V1)	EPDM (E1)
1/4"	Threaded	RBV3025TP(XX)	POA	$274.35	RBV5025TP(XX)	POA	$544.25
3/8"	Threaded	RBV3037TP(XX)	POA	$274.35	RBV5037TP(XX)	POA	$544.25
1/2"	Threaded	RBV3050TP(XX)	POA	$478.25	RBV5050TP(XX)	POA	$748.10
3/4"	Threaded	RBV3075TP(XX)	POA	$557.35	RBV5075TP(XX)	POA	$1,067.85
1"	Threaded	RBV3100TP(XX)	POA	$721.70	RBV5100TP(XX)	POA	$1,324.45
1-1/2"	Threaded	RBV3150TP(XX)	POA	$1,542.95	RBV5150TP(XX)	POA	$3,427.45
2"	Threaded	RBV3200TP(XX)	POA	$1,739.50	RBV5200TP(XX)	POA	$3,558.00
3"	Flanged	RBV3300FP(XX)	POA	POA	RBV5300FP(XX)	POA	POA
4"	Flanged	RBV3400FP(XX)	POA	POA	RBV5400FP(XX)	POA	POA

CS SERIES CORPORATION STOPS

Ensures that chemical feed systems inject into the center of a process stream for better mixing and to prevent corrosion inside the process pipe. The integral check valve prevents the process fluid from going back up the chemical line. Quill with 45° Bevel. EPDM seals optional.

FPM SEALS, TRUE UNION THREADED AND MNPT

SIZE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE
1/2"	PVC	CS11050T06BV1	**$467.85**	CPVC	CS22050T06BV1	**$484.15**
3/4"	PVC	CS11075T06BV1	**$494.50**	CPVC	CS22075T06BV1	**$596.60**
1"	PVC	CS11100T06BV1	**$537.45**	CPVC	CS22100T06BV1	**$781.70**

IV SERIES INJECTION VALVES

The IV Series Injection Valves ensure that chemical feed systems inject into the center of a process stream for better mixing and to prevent corrosion inside the process pipe. The check valve prevents the process fluid from going back up the chemical line. 45° Bevel. EPDM seals optional.

FPM SEALS PVC CPVC PVDF

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	IV1050T04BV	**$261.70**	IV2050T04BV	**$312.20**	IV5050T04BV	**$640.00**
3/4"	Threaded	IV1075T04BV	**$285.40**	IV2075T04BV	**$331.05**	IV5075T04BV	**$1,089.20**
1"	Threaded	IV1100T04BV	**$285.40**	IV2100T04BV	**$331.05**	IV5100T04BV	**$1,089.20**
1-1/2"	Threaded	IV1150T06BV	**$950.65**	IV2150T06BV	**$1,292.55**	IV5150T06BV	**$3,778.25**
2"	Threaded	IV1200T06BV	**$1,004.15**	IV2200T06BV	**$1,341.45**	IV5200T06BV	**$4,638.80**

IQ SERIES INJECTION QUILLS

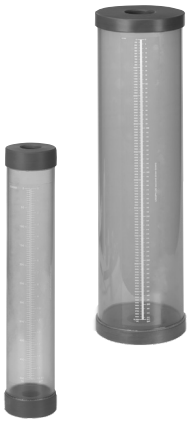
The IQ Series Injection Quills provide an economic solution for proper injection into chemical feed systems. 45° Bevel.

MNPT

SIZE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE
1/2"	PVC	IQ1050T03B	**$134.00**	CPVC	IQ2050T03B	**$151.35**	PVDF	IQ5050T03B	**$296.40**
3/4"	PVC	IQ1075T03B	**$151.35**	CPVC	IQ2075T03B	**$160.85**	PVDF	IQ5075T03B	**$329.50**
1"	PVC	IQ1100T04B	**$183.00**	CPVC	IQ2100T04B	**$211.30**	PVDF	IQ5100T04B	**$477.65**

CCS SERIES CALIBRATION CYLINDERS

The CCS Series Calibration Cylinders enhance the performance of a chemical feed system by providing verification of the flow rate with direct mL, GPH readout and a sealed top with overflow connection.



PVC, NPT

CONN. SIZE	mL	GPH	PART NO.	LIST PRICE
1/2"	100	3.2	CCS1100100TS	$125.25
1/2"	200	6.4	CCS1100200TS	$146.35
1/2"	300	9.6	CCS1100300TS	$153.95
3/4"	500	16	CCS1100500TS	$168.90
3/4"	1000	32	CCS1101000TS	$203.60
1"	2000	64	CCS1102000TS	$310.70
1"	4000	127	CCS1104000TS	$432.85
1-1/2"	5000	160	CCS1105000TS	$655.90
1-1/2"	7000	225	CCS1107000TS	$826.30
2"	10000	320	CCS1110000TS	$986.10
2"	15000	480	CCS1115000TS	$1,079.55
2"	20000	640	CCS1120000TS	$1,182.10

Note: Other materials, end connections and configurations are available for PBV, PRV, CS, IV, IQ and CCS Series. Please consult factory.

NVA SERIES NEEDLE VALVES

Hayward Flow Control's NVA Series Needle Valves are now available in CPVC and Natural PVDF. Hayward's Needle Valves are ideal for high purity applications and high temperatures. All Needle Valves are assembled with silicone free lubricant and have an FPM o-ring and a PTFE seat.

PVC

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA1025T	$98.75
3/8"	Threaded	NVA1037T	$113.95
1/2"	Threaded	NVA1050T	$113.95

CPVC

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA2025T	$109.80
3/8"	Threaded	NVA2037T	$126.60
1/2"	Threaded	NVA2050T	$126.60

GFPP

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA4025T	$120.80
3/8"	Threaded	NVA4037T	$141.70
1/2"	Threaded	NVA4050T	$141.70

NATURAL PVDF

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA5025T	$174.85
3/8"	Threaded	NVA5037T	$174.85
1/2"	Threaded	NVA5050T	$174.85

UNIVERSAL STOPCOCK™

The Universal Stopcock™ has EPDM Seals and is supplied with all the end connectors necessary to make the six different end connection combinations; FPT x FPT, FPT x MPT, FPT x HOSE, MPT x MPT, MPT x HOSE and HOSE x HOSE.. Assembled with silicone free lubricant.

SIZE	CTN/QTY.	PART NO.	LIST PRICE*
1/4"	24	LC12	$35.25

*Price is for one stopcock.
Universal Stopcock™ is a trademark of Hayward Industries, Inc.

SB SERIES SIMPLEX BASKET STRAINERS

PVC and CPVC

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation will be shipped.*

For 316 SSTL basket options, see page 73.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE		EASTAR®	LIST PRICE	
		PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd**	SB1050ST(X)	$399.60	$379.65	SB2050ST(X)	$640.05	$609.30	SBC050ST(X)	$452.80	$430.05
	Flanged	SB1050F(X)	$459.45	$437.50	SB2050F(X)	$701.85	$666.70	SBC050F(X)	$521.15	$496.20
3/4"	Skt/Thd**	SB1075ST(X)	$399.60	$379.65	SB2075ST(X)	$640.05	$609.30	SBC075ST(X)	$452.80	$430.05
	Flanged	SB1075F(X)	$459.45	$437.50	SB2075F(X)	$701.85	$666.70	SBC075F(X)	$521.15	$496.20
1"	Skt/Thd**	SB1100ST(X)	$399.60	$379.65	SB2100ST(X)	$640.05	$609.30	SBC100ST(X)	$452.80	$430.05
	Flanged	SB1100F(X)	$459.45	$437.50	SB2100F(X)	$701.85	$666.70	SBC100F(X)	$521.15	$496.20
1-1/4"	Skt/Thd**	SB1125ST(X)	$689.15	$655.60	SB2125ST(X)	$1,139.80	$1,084.55	SBC125ST(X)	$781.80	$743.05
	Flanged	SB1125F(X)	$819.05	$779.10	SB2125F(X)	$1,283.85	$1,220.30	SBC125F(X)	$928.10	$882.95
1-1/2"	Skt/Thd**	SB1150ST(X)	$689.15	$655.60	SB2150ST(X)	$1,139.80	$1,084.55	SBC150ST(X)	$781.80	$743.05
	Flanged	SB1150F(X)	$819.05	$779.10	SB2150F(X)	$1,283.85	$1,220.30	SBC150F(X)	$928.10	$882.95
2"	Skt/Thd**	SB1200ST(X)	$689.15	$655.60	SB2200ST(X)	$1,139.80	$1,084.55	SBC200ST(X)	$781.80	$743.05
	Flanged	SB1200F(X)	$819.05	$779.10	SB2200F(X)	$1,283.85	$1,220.30	SBC200F(X)	$928.10	$882.95
2-1/2"	Threaded	SB1250T(X)	$1,762.20	$1,674.15	SB2250T(X)	$2,526.20	$2,401.05	N/A	-	-
	Socket	SB1250S(X)	$1,762.20	$1,674.15	SB2250S(X)	$2,526.20	$2,401.05	N/A	-	-
	Flanged	SB1250F(X)	$1,955.40	$1,857.45	SB2250F(X)	$3,191.80	$3,032.85	N/A	-	-
3"	Threaded	SB1300T(X)	$1,762.20	$1,674.15	SB2300T(X)	$2,526.20	$2,401.05	SBC300T(X)	$1,999.35	$1,899.95
	Socket	SB1300S(X)	$1,762.20	$1,674.15	SB2300S(X)	$2,526.20	$2,401.05	SBC300S(X)	$1,999.35	$1,899.95
	Flanged	SB1300F(X)	$2,002.80	$1,902.80	SB2300F(X)	$3,251.80	$3,090.90	SBC300F(X)	$2,269.65	$2,158.75
4"	Threaded	SB1400T(X)	$1,762.20	$1,674.15	SB2400T(X)	$2,526.20	$2,401.05	SBC400T(X)	$1,999.35	$1,899.95
	Socket	SB1400S(X)	$1,762.20	$1,674.15	SB2400S(X)	$2,526.20	$2,401.05	SBC400S(X)	$1,999.35	$1,899.95
	Flanged	SB1400F(X)	$2,209.55	$2,113.45	SB2400F(X)	$3,360.15	$3,193.75	SBC400F(X)	$2,504.10	$2,381.90
6"	Flanged	SB1600FT(X)	$5,056.40	$4,803.85	SB2600FT(X)	$6,923.95	$6,577.95	N/A	-	-
8"	Flanged	SB1800FT(X)	$6,661.10	$6,328.95	SB2800FT(X)	$9,122.75	$8,666.60	N/A	-	-

* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".
** 1/2" thru 2" Basket Strainers are supplied with both socket and threaded end connectors.
For extra or replacement baskets, see **page 74.**

SB SERIES SIMPLEX BASKET STRAINERS (cont.)

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation will be shipped.*

For 316 SSTL basket options, see page 73.

NEW

SIZE	END CONN.	GFPP / FPM		PLATINUM GFPP / FPM		PVDF / FPM	
		PART NO.	LIST PRICE**	PART NO.	LIST PRICE**	PART NO.	LIST PRICE**
1/2"	Threaded	SB4050T	$509.20	SB4P050T	$509.20	SB5050T18	$2,250.15
	Skt Fusion	N/A	-	SB4P050S	$509.20	SB5050S18	$2,250.15
DN15	Skt Fusion	N/A	-	SB4P015MS	$509.20	SB5015MS18	$2,250.15
3/4"	Threaded	SB4075T	$563.40	SB4P075T	$563.40	SB5075T18	$2,250.15
	Skt Fusion	N/A	-	SB4P075S	$563.40	SB5075S18	$2,250.15
DN20	Skt Fusion	N/A	-	SB4P020MS	$563.40	SB5020MS18	$2,250.15
1"	Threaded	SB4100T	$563.40	SB4P100T	$563.40	SB5100T18	$2,250.15
	Flanged	SB4100F	$607.10	SB4P100F	$607.10	SB5100F18	POA
	Skt Fusion	N/A	-	SB4P100S	$563.40	SB5100S18	$2,250.15
DN25	Skt Fusion	N/A	-	SB4P025MS	$563.40	SB5025MS18	$2,250.15
1-1/4"	Threaded	SB4125T	$971.35	SB4P125T	$971.35	SB5125T18	$3,108.30
	Flanged	SB4125F	$1,082.30	SB4P125F	$1,082.30	N/A	-
	Skt Fusion	N/A	-	SB4P125S	$971.35	SB5125S18	POA
DN32	Skt Fusion	N/A	-	SB4P032MS	$971.35	SB5032MS18	$3,108.30
1-1/2"	Threaded	SB4150T	$971.35	SB4P150T	$971.35	SB5150T18	$3,108.30
	Flanged	SB4150F	$1,082.30	SB4P150F	$1,082.30	SB5150F18	POA
	Skt Fusion	N/A	-	SB4P150S	$971.35	SB5150S18	$3,108.30
DN40	Skt Fusion	N/A	-	SB4P040MS	$971.35	SB5040MS18	$3,108.30
2"	Threaded	SB4200T	$971.35	SB4P200T	$971.35	SB5200T18	$3,442.35
	Flanged	SB4200F	$1,082.30	SB4P200F	$1,082.30	SB5200F18	POA
	Skt Fusion	N/A	-	SB4P200S	$971.35	SB5200S18	$3,442.35
DN50	Skt Fusion	N/A	-	SB4P050MS	$971.35	SB5050MS18	$3,442.35
2-1/2"	Threaded	SB4250T	$2,328.50	SB4P250T	$2,328.50	N/A	-
	Flanged	SB4250F	$2,756.45	SB4P250F	$2,756.45	N/A	-
	Skt Fusion	N/A	-	SB4P250S	$2,328.50	N/A	-
DN65	Skt Fusion	N/A	-	SB4P065MS	$2,328.50	N/A	-
3"	Threaded	SB4300T	$2,328.50	SB4P300T	$2,328.50	N/A	-
	Flanged	SB4300F	$2,823.00	SB4P300F	$2,823.00	N/A	-
	Skt Fusion	N/A	-	SB4P300S	$2,328.50	N/A	-
DN80	Skt Fusion	N/A	-	SB4P080MS	$2,328.50	N/A	-
4"	Threaded	SB4400T	$2,397.05	SB4P400T	$2,328.50	N/A	-
	Flanged	SB4400F	$2,919.90	SB4P400F	$2,919.90	N/A	-
	Skt Fusion	N/A	-	SB4P400S	$2,328.50	N/A	-
DN100	Skt Fusion	N/A	-	SB4P100MS	$2,328.50	N/A	-

* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 4" Basket Strainers standard perforation is 1/8".
** EPDM available at same list price.
*** PVDF basket standard perf is 1/8" for all sizes.
For extra or replacement baskets, see **page 74.**

DRAIN KIT FOR SB AND DB SERIES

Ideal for controlled draining on SB Series Strainers. Includes TBH Ball Valve, drilled ball and nipple piece.

PVC - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD115KITV	**$279.40**	**2-1/2" - 4"**	3/4"	SBD147KITV	**$327.90**
1-1/4" - 2"	3/4"	SBD127KITV	**$291.60**	**6"**	1"	SBD161KITV	**$451.15**
				8"	1"	SBD181KITV	**$705.20**

PVC - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD115KITE	**$255.25**	**2-1/2" - 4"**	3/4"	SBD147KITE	**$303.55**
1-1/4" - 2"	3/4"	SBD127KITE	**$267.15**	**6"**	1"	SBD161KITE	**$449.30**
				8"	1"	SBD181KITE	**$682.35**

CPVC - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD215KITV	**$327.90**	**2-1/2" - 4"**	3/4"	SBD247KITV	**$376.45**
1-1/4" - 2"	3/4"	SBD227KITV	**$331.70**	**6"**	1"	SBD261KITV	**$522.10**
				8"	1"	SBD281KITV	**$728.40**

CPVC - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD215KITE	**$315.70**	**2-1/2" - 4"**	3/4"	SBD247KITE	**$352.05**
1-1/4" - 2"	3/4"	SBD227KITE	**$303.55**	**6"**	1"	SBD261KITE	**$497.75**
				8"	1"	SBD281KITE	**$751.50**

GFPP - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD415KITV	**$376.55**
1-1/4" - 2"	3/4"	SBD427KITV	**$412.00**
2-1/2" - 4"	3/4"	SBD447KITV	**$425.05**

GFPP - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD415KITE	**$352.25**
1-1/4" - 2"	3/4"	SBD427KITE	**$352.25**
2-1/2" - 4"	3/4"	SBD447KITE	**$400.75**

DB SERIES DUPLEX BASKET STRAINERS

All Duplex Basket Strainers are assembled with silicone free lubricant.

Each Duplex Basket Strainer includes two plastic baskets. If perforation is not specified, then standard basket perforation will be shipped with strainer.*

For 316 SSTL basket options, see below.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE		EASTAR®	LIST PRICE	
		PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)
1/2"	Skt/Thd**	DB1050ST	$1,989.95	$1,892.00	DB2050ST	$3,041.40	$2,889.95	DBC050ST	$2,255.55	$2,144.35
	Flanged	DB1050F	$2,037.75	$1,936.75	DB2050F	$3,105.55	$2,952.00	DBC050F	$2,309.40	$2,195.15
3/4"	Skt/Thd**	DB1075ST	$1,989.95	$1,892.00	DB2075ST	$3,041.40	$2,889.95	DBC075ST	$2,255.55	$2,144.35
	Flanged	DB1075F	$2,037.75	$1,936.75	DB2075F	$3,105.55	$2,952.00	DBC075F	$2,309.40	$2,195.15
1"	Skt/Thd**	DB1100ST	$1,989.95	$1,892.00	DB2100ST	$3,041.40	$2,889.95	DBC100ST	$2,256.10	$2,144.35
	Flanged	DB1100F	$2,037.75	$1,936.75	DB2100F	$3,105.55	$2,952.00	DBC100F	$2,309.40	$2,195.15
1-1/4"	Skt/Thd**	DB1125ST	$3,098.30	$2,945.80	DB2125ST	$4,740.65	$4,505.65	DBC125ST	$3,511.60	$3,339.15
	Flanged	DB1125F	$3,216.25	$3,056.20	DB2125F	$4,911.60	$4,668.90	DBC125F	$3,645.35	$3,464.00
1-1/2"	Skt/Thd**	DB1150ST	$3,098.30	$2,945.80	DB2150ST	$4,740.65	$4,505.65	DBC150ST	$3,511.60	$3,339.15
	Flanged	DB1150F	$3,216.25	$3,056.20	DB2150F	$4,911.60	$4,668.90	DBC150F	$3,645.35	$3,464.00
2"	Skt/Thd**	DB1200ST	$3,098.30	$2,945.80	DB2200ST	$4,740.65	$4,505.65	DBC200ST	$3,511.60	$3,339.15
	Flanged	DB1200F	$3,216.25	$3,056.20	DB2200F	$4,911.60	$4,668.90	DBC200F	$3,645.35	$3,464.00
2-1/2"	Threaded	DB1250T	$7,748.10	$7,363.55	DB2250T	$11,691.10	$11,108.50	N/A	-	-
	Socket	DB1250S	$7,748.10	$7,363.55	DB2250S	$11,691.10	$11,108.50	N/A	-	-
	Flanged	DB1250F	$8,048.95	$7,647.20	DB2250F	$12,293.30	$11,681.60	N/A	-	-
3"	Threaded	DB1300T	$7,748.10	$7,363.55	DB2300T	$11,691.10	$11,108.50	DBC300T	$8,781.95	$8,350.35
	Socket	DB1300S	$7,748.10	$7,363.55	DB2300S	$11,691.10	$11,108.50	DBC300S	$8,781.95	$8,350.35
	Flanged	DB1300F	$8,110.00	$7,706.30	DB2300F	$12,361.15	$11,739.70	DBC300F	$9,191.85	$8,734.60
4"	Threaded	DB1400T	$7,748.10	$7,363.55	DB2400T	$11,691.10	$11,108.50	DBC400T	$8,781.95	$8,350.35
	Socket	DB1400S	$7,748.10	$7,363.55	DB2400S	$11,691.10	$11,108.50	DBC400S	$8,781.95	$8,350.35
	Flanged	DB1400F	$8,243.10	$7,829.80	DB2400F	$12,497.10	$11,875.80	DBC400F	$9,342.95	$8,878.10
6"	Flanged	DB1600FT	$19,717.65	$18,727.45	DB2600FT	$29,198.55	$27,742.20	N/A	-	-
8"	Flanged	DB1800FT	$25,306.25	$24,040.00	DB2800FT	$35,927.60	$34,131.40	N/A	-	-

* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

** 1/2" thru 2" Basket Strainers are supplied with both socket and threaded end connectors.

OPTIONAL 316 STAINLESS STEEL BASKETS

Baskets are designed with slanted top to ensure correct installation with SB & DB Series Basket Strainers.

Each Strainer purchased is furnished with one standard thermoplastic basket (1 for Simplex, 2 for Duplex). When ordering, if you wish to replace the standard thermoplastic basket(s) with a stainless steel basket, use table below for price adders. Stainless steel baskets are made to order and are not returnable.

For part numbers and pricing for purchasing a SSTL basket separately, see page 74.
e.g. SB2100F with option 1/32 perf SSTL basket is SB2100FS132.

STRAINER SIZE	SUFFIX**	MESH OR PERF* LIST PRICE	SUFFIX	200 MESH* LIST PRICE	SUFFIX	325 MESH* LIST PRICE
1/2" - 1"	SXXX	$323.30	S200	$446.75	S325	$472.40
1-1/4" - 2"	SXXX	$397.55	S200	$532.40	S325	$560.40
2-1/2" - 4"	SXXX	$778.05	S200	$1,048.10	S325	$1,087.60
6"	SXXX	$1,361.50	S200	$1,699.05	S325	$1,845.55
8"	SXXX	$1,845.55	S200	$2,223.20	S325	$2,397.80

* Price is for each basket. Duplex vessels require 2 each.

** Part number is for MESH or Perf. Substitute X with MESH or Perf size.

SB AND DB SERIES EXTRA/REPLACEMENT BASKETS

It is recommended that one spare basket per strainer be kept on hand at all times.

Stainless steel baskets are made to order and not returnable.
Hastelloy®, Titanium, and Monel available, consult factory.

FOR 1/2", 3/4" AND 1"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS11001/32	$178.95
1/16"	BS11001/16	$178.95
1/8"	BS11001/8	$178.95
3/16"	BS11003/16	$178.95
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS21001/32	$286.05
1/16"	BS21001/16	$286.05
1/8"	BS21001/8	$286.05
3/16"	BS21003/16	$286.05
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS41001/32	$238.55
1/16"	BS41001/16	$238.55
1/8"	BS41001/8	$238.55
3/16"	BS41003/16	$238.55
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS71020	$412.30
40	BS71040	$412.30
60	BS71060	$412.30
80	BS71080	$412.30
100	BS710100	$412.30
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7101/32	$412.30
1/16"	BS7101/16	$412.30
1/8"	BS7101/8	$412.30
3/16"	BS7103/16	$412.30

FOR 1-1/4", 1-1/2" AND 2"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS12001/32	$225.00
1/16"	BS12001/16	$225.00
1/8"	BS12001/8	$225.00
3/16"	BS12003/16	$225.00
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS22001/32	$354.75
1/16"	BS22001/16	$354.75
1/8"	BS22001/8	$354.75
3/16"	BS22003/16	$354.75
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS42001/32	$299.70
1/16"	BS42001/16	$299.70
1/8"	BS42001/8	$299.70
3/16"	BS42003/16	$299.70
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS72020	$511.40
40	BS72040	$511.40
60	BS72060	$511.40
80	BS72080	$511.40
100	BS720100	$511.40
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7201/32	$511.40
1/16"	BS7201/16	$511.40
1/8"	BS7201/8	$511.40
3/16"	BS7203/16	$511.40

FOR 2-1/2", 3" AND 4"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS14001/32	$571.55
1/16"	BS14001/16	$571.55
1/8"	BS14001/8	$571.55
3/16"	BS14003/16	$571.55
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS24001/32	$894.50
1/16"	BS24001/16	$894.50
1/8"	BS24001/8	$894.50
3/16"	BS24003/16	$894.50
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS44001/32	$761.85
1/16"	BS44001/16	$761.85
1/8"	BS44001/8	$761.85
3/16"	BS44003/16	$761.85
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS74020	$1,090.95
40	BS74040	$1,090.95
60	BS74060	$1,090.95
80	BS74080	$1,090.95
100	BS740100	$1,090.95
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7401/32	$1,090.95
1/16"	BS7401/16	$1,090.95
1/8"	BS7401/8	$1,090.95
3/16"	BS7403/16	$1,090.95

FOR 6"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS16001/32	$1,623.05
1/16"	BS16001/16	$1,623.05
1/8"	BS16001/8	$1,623.05
3/16"	BS16003/16	$1,623.05
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS26001/32	$2,263.15
1/16"	BS26001/16	$2,263.15
1/8"	BS26001/8	$2,263.15
3/16"	BS26003/16	$2,263.15
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS76001420	$2,115.60
40	BS76001440	$2,115.60
60	BS76001460	$2,115.60
80	BS76001480	$2,115.60
100	BS760014100	$2,115.60
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS76001/32	$2,264.25
1/16"	BS76001/16	$2,264.25
1/8"	BS76001/8	$2,264.25
5/32"	BS76005/32	$2,264.25
3/16"	BS76003/16	$2,264.25
1/4"	BS76001/4	$2,264.25
3/8"	BS76003/8	$2,264.25

FOR 8"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS18001/32	$2,241.35
1/16"	BS18001/16	$2,241.35
1/8"	BS18001/8	$2,241.35
3/16"	BS18003/16	$2,241.35
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS28001/32	$3,122.15
1/16"	BS28001/16	$3,122.15
1/8"	BS28001/8	$3,122.15
3/16"	BS28003/16	$3,122.15
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS78001420	$2,890.55
40	BS78001440	$2,890.55
60	BS78001460	$2,890.55
80	BS78001480	$2,890.55
100	BS780014100	$2,890.55
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS78001/32	$3,095.35
1/16"	BS78001/16	$3,095.35
1/8"	BS78001/8	$3,095.35
5/32"	BS78005/32	$3,095.35
3/16"	BS78003/16	$3,095.35
1/4"	BS78001/4	$3,095.35
3/8"	BS78003/8	$3,095.35

FOR 200 MESH ONLY*		
SIZES	PART NO.	LIST PRICE
1/2" - 1"	BS710200	$529.00
1-1/4" - 2"	BS720200	$640.55
2-1/2" - 4"	BS740200	$1,346.15
6"	BS760014200	$2,434.55
8"	BS780014200	$3,247.15

FOR 325 MESH ONLY*		
SIZES	PART NO.	LIST PRICE
1/2" - 1"	BS710325	$553.10
1-1/4" - 2"	BS720325	$665.35
2-1/2" - 4"	BS740325	$1,383.30
6"	BS760014325	$2,573.25
8"	BS780014325	$3,412.05

YS SERIES Y-STRAINERS

The YS Series features a one piece injection molded body. Available in PVC, CPVC, clear PVC and PVDF. True Union end connections available with Socket or Threaded ends. Each PVC and CPVC YS Y-Strainer includes one 1/32" perforated thermoplastic screen. PVDF strainers are standard 3/32 perf.*

For flanged options not shown, consult factory.

SIZE	END CONN.	PVC LIST PRICE			CPVC LIST PRICE			PVDF / FPM		CLEAR PVC / FPM	
		PART NO.	FPM	EPDM (E)	PART NO.	FPM	EPDM (E)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	YS10050T	$101.10	$101.10	YS20050T	$284.25	$284.25	YS50050T	$483.45	YS00050T	$101.10
	Socket	YS10050S	$101.10	$101.10	YS20050S	$284.25	$284.25	YS50050S	$483.45	YS00050S	$101.10
3/4"	Threaded	YS10075T	$114.15	$114.15	YS20075T	$314.25	$314.25	YS50075T	$516.60	YS00075T	$114.15
	Socket	YS10075S	$114.15	$114.15	YS20075S	$314.25	$314.25	YS50075S	$516.60	YS00075S	$114.15
1"	Threaded	YS10100T	$125.70	$125.70	YS20100T	$402.40	$402.40	YS50100T	$653.25	YS00100T	$125.70
	Socket	YS10100S	$125.70	$125.70	YS20100S	$402.40	$402.40	YS50100S	$653.25	YS00100S	$125.70
1-1/4"	Threaded	YS10125T	$227.85	$227.85	N/A	-	-	N/A	-	YS00125T	$227.85
	Socket	YS10125S	$227.85	$227.85	N/A	-	-	N/A	-	YS00125S	$227.85
1-1/2"	Threaded	YS10150T	$227.85	$227.85	YS20150T	$624.80	$624.80	N/A	-	YS00150T	$227.85
	Socket	YS10150S	$227.85	$227.85	YS20150S	$624.80	$624.80			YS00150S	$227.85
2"	Threaded	YS10200T	$266.95	$266.95	YS20200T	$802.85	$802.85	N/A	-	YS00200T	$266.95
	Socket	YS10200S	$266.95	$266.95	YS20200S	$802.85	$802.85	N/A	-	YS00200S	$266.95
	Flanged	YS10200F	$443.60	$443.60	YS20200F	$1,082.70	$1,082.70	N/A	-	YS00200F	$443.60
2-1/2"	Threaded	YS10250T	$442.75	$442.75	N/A	-	-	N/A	-	N/A	-
	Socket	YS10250S	$442.75	$442.75	N/A	-	-	N/A	-	N/A	-
	Flanged	YS10250F	$969.95	$969.95	N/A	-	-	N/A	-	N/A	-
3"	Threaded	YS10300T	$597.05	$597.05	YS20300T	$1,000.45	$1,000.45	N/A	-	N/A	-
	Socket	YS10300S	$597.05	$597.05	YS20300S	$1,000.45	$1,000.45	N/A	-	N/A	-
	Flanged	YS10300F	$920.40	$920.40	YS20300F	$1,552.90	$1,552.90	N/A	-	N/A	-
4"	Threaded	YS10400T	$1,044.15	$1,044.15	YS20400T	$1,733.55	$1,733.55	N/A	-	N/A	-
	Socket	YS10400S	$1,044.15	$1,044.15	YS20400S	$1,733.55	$1,733.55	N/A	-	N/A	-
	Flanged	YS10400F	$1,483.45	$1,483.45	YS20400F	$2,488.80	$2,488.80	N/A	-	N/A	-

* To replace the standard 1/32" thermoplastic screen with another perf size thermoplastic screen, refer to the tables on **page 124**.
To replace the standard 1/32" thermoplastic screen with a stainless steel screen, refer to the table on **page 76**.
SSTL screens are not returnable. Consult factory for 200 & 325 mesh pricing.

YS SERIES TRUE UNION Y-STRAINERS

All YS Series Y-Strainers have an FPM o-ring seal and are assembled with silicone free lubricant. Each YS Y-Strainer includes one 1/32" perforated thermoplastic screen.*

For EPDM or flanged options, consult factory for pricing and availability.

SIZE	END CONN.	PVC		CPVC		CLEAR PVC	
		PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	YS10050TU	**$111.80**	YS20050TU	**$312.35**	YS00050TU	**$111.80**
	Socket	YS10050SU	**$111.80**	YS20050SU	**$312.35**	YS00050SU	**$111.80**
3/4"	Threaded	YS10075TU	**$127.25**	YS20075TU	**$347.95**	YS00075TU	**$127.25**
	Socket	YS10075SU	**$127.25**	YS20075SU	**$347.95**	YS00075SU	**$127.25**
1"	Threaded	YS10100TU	**$139.20**	YS20100TU	**$433.45**	YS00100TU	**$139.20**
	Socket	YS10100SU	**$139.20**	YS20100SU	**$433.45**	YS00100SU	**$139.20**
1-1/4"	Threaded	YS10125TU	**$238.45**	YS20125TU	**$690.05**	YS00125TU	**$238.45**
	Socket	YS10125SU	**$238.45**	YS20125SU	**$690.05**	YS00125SU	**$238.45**
1-1/2"	Threaded	YS10150TU	**$250.40**	YS20150TU	**$690.05**	YS00150TU	**$250.40**
	Socket	YS10150SU	**$250.40**	YS20150SU	**$690.05**	YS00150SU	**$250.40**
2"	Threaded	YS10200TU	**$291.55**	YS20200TU	**$916.45**	YS00200TU	**$291.55**
	Socket	YS10200SU	**$291.55**	YS20200SU	**$916.45**	YS00200SU	**$291.55**
2-1/2"	Threaded	YS10250TU	**$476.90**	YS20250TU	**$1,022.15**	N/A	-
	Socket	YS10250SU	**$476.90**	YS20250SU	**$1,022.15**	N/A	-
3"	Threaded	YS10300TU	**$660.20**	YS20300TU	**$1,098.45**	N/A	-
	Socket	YS10300SU	**$660.20**	YS20300SU	**$1,098.45**	N/A	-
4"	Threaded	YS10400TU	**$1,158.75**	YS20400TU	**$1,868.10**	N/A	-
	Socket	YS10400SU	**$1,158.75**	YS20400SU	**$1,868.10**	N/A	-

* To replace the standard 1/32" thermoplastic screen with another perf size thermoplastic screen, refer to the tables on **page 124**.
To replace the standard 1/32" thermoplastic screen with a stainless steel screen, refer to the table on **page 124**.
SSTL screens are not returnable. Consult factory for 200 & 325 mesh pricing.
** 1-1/4" and 1-1/2" unit takes a 2" screen.
*** EPDM available add E before U.

If you wish to change the standard thermoplastic screen to metal perf or mesh size screen, there will be an additional charge. The table below shows the list price to be added to your order for changing to a SSTL screen.

For Hastelloy, Monel, or 200 & 325 SSTL Mesh options, consult factory for pricing and part number information. ALL metal screens are made to order and are not returnable.

SUBSTITUTE STAINLESS STEEL SCREENS* FOR PVC/CPVC YS STRAINERS

To change the standard thermoplastic screen to a SSTL screen, ADD the list price below to your Y-Strainer order.

SIZE	SUBSTITUTE SCREEN LIST PRICE	SIZE	SUBSTITUTE SCREEN LIST PRICE
1/2"	$132.00	2"	$276.30
3/4"	$160.90	2-1/2"	$303.90
1"	$188.40	3"	$303.90
1-1/4"	$246.10	4"	$381.80
1-1/2"**	$246.10		

* Specify SSTL MESH or SSTL Perf size when ordering. For 200 & 325 SSTL mesh, consult factory.
** 1-1/2" true union y-strainers require a 2" screen.

FLV SERIES BAG FILTERS

All FLV bag filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.
Filter Bags sold separately. EPDM Seals available as an option.

GFPP DOUBLE LENGTH SIMPLEX BAG FILTERS

Double length simplex bag filters use double length 7" x 32" No. 2 bags.

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Threaded	GFPP	FLV4P2S12T4VS	**$2,321.25**
1-1/2" Threaded	GFPP	FLV4P2S15T4VS	**$2,321.25**
2" Threaded	GFPP	FLV4P2S20T4VS	**$2,321.25**
2-1/2" Threaded*	GFPP	FLV4P2S25T4VS	**$3,133.60**
3" Threaded*	GFPP	FLV4P2S30T4VS	**$3,133.60**
4" Threaded*	GFPP	FLV4P2S40T4VS	**$3,481.85**

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Flanged	GFPP	FLV4P2S12F4VS	**$3,133.60**
1-1/2" Flanged	GFPP	FLV4P2S15F4VS	**$3,133.60**
2" Flanged	GFPP	FLV4P2S20F4VS	**$3,133.60**
2-1/2" Flanged	GFPP	FLV4P2S25F4VS	**$3,946.10**
3" Flanged*	GFPP	FLV4P2S30F4VS	**$3,946.10**
4" Flanged*	GFPP	FLV4P2S40F4VS	**$4,758.30**

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	CPVC	FLV4P2S12S2VS	**$2,599.90**
1-1/2" Socket	CPVC	FLV4P2S15S2VS	**$2,599.90**
2" Socket	CPVC	FLV4P2S20S2VS	**$2,599.90**
2-1/2" Socket*	CPVC	FLV4P2S25S2VS	**$3,509.75**
3" Socket*	CPVC	FLV4P2S30S2VS	**$3,509.75**
4" Socket*	CPVC	FLV4P2S40S2VS	**$3,899.65**

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	PVC	FLV4P2S12S1VS	**$2,437.40**
1-1/2" Socket	PVC	FLV4P2S15S1VS	**$2,437.40**
2" Socket	PVC	FLV4P2S20S1VS	**$2,437.40**
2-1/2" Socket*	PVC	FLV4P2S25S1VS	**$3,290.25**
3" Socket*	PVC	FLV4P2S30S1VS	**$3,290.25**
4" Socket*	PVC	FLV4P2S40S1VS	**$3,655.85**

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket Fusion	PP	FLV4P2S12S3VS	**$2,321.25**
1-1/2" Socket Fusion	PP	FLV4P2S15S3VS	**$2,321.25**
2" Socket Fusion	PP	FLV4P2S20S3VS	**$2,321.25**
2-1/2" Socket fusion*	PP	FLV4P2S25S3VS	**$3,133.60**
3" Socket Fusion*	PP	FLV4P2S30S3VS	**$3,133.60**
4" Socket Fusion*	PP	FLV4P2S40S3VS	**$3,481.85**

GFPP DOUBLE LENGTH SIMPLEX BAG FILTERS

For replacement of PP FLT series

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
2"	Female Threaded on Body/GFPP	FLV4P2S20D4VS	**$2,424.25**
2"	Female Threaded on Body/GFPP Flange	FLV4P2S20DF4VS	**$3,138.10**

* Sizes 2-1/2" - 4"/DN65 - DN100 are available ONLY in double length vessels.
** GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket. For Flanged, consult factory.
*** If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.

FLV SERIES BAG FILTERS (cont.)

All FLV bag filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.
Filter Bags sold separately. EPDM Seals available as an option.

GFPP SINGLE LENGTH SIMPLEX BAG FILTERS

Single length simplex bag filters use single length 7" x 16" No.1 bags.

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
1-1/4" Threaded	GFPP	FLV4P1S12T4VS	**$1,961.15**
1-1/2" Threaded	GFPP	FLV4P1S15T4VS	**$1,961.15**
2" Threaded	GFPP	FLV4P1S20T4VS	**$1,961.15**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
1-1/4" Flanged	GFPP	FLV4P1S12F4VS	**$2,647.50**
1-1/2" Flanged	GFPP	FLV4P1S15F4VS	**$2,647.50**
2" Flanged	GFPP	FLV4P1S20F4VS	**$2,647.50**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
1-1/4" Socket	CPVC	FLV4P1S12S2VS	**$2,196.45**
1-1/2" Socket	CPVC	FLV4P1S15S2VS	**$2,196.45**
2" Socket	CPVC	FLV4P1S20S2VS	**$2,196.45**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
1-1/4" Socket	PVC	FLV4P1S12S1VS	**$2,059.15**
1-1/2" Socket	PVC	FLV4P1S15S1VS	**$2,059.15**
2" Socket	PVC	FLV4P1S20S1VS	**$2,059.15**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
1-1/4" Socket Fusion	PP	FLV4P1S12S3VS	**$1,961.15**
1-1/2" Socket Fusion	PP	FLV4P1S15S3VS	**$1,961.15**
2" Socket Fusion	PP	FLV4P1S20S3VS	**$1,961.15**

GFPP SINGLE LENGTH SIMPLEX BAG FILTERS

For replacement of PP FLT series

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2"	Female Threaded on Body/GFPP	FLV4P1S20D4VS	**$2,060.05**
2"	Female Threaded on Body/GFPP Flange	FLV4P1S20DF4VS	**$2,746.55**

* Sizes 2-1/2" to 4" are available ONLY in double length vessels.
** GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket. For Flanged, consult factory.

FLV SERIES BAG FILTERS (cont.)

GFPP DOUBLE LENGTH DUPLEX BAG FILTERS

Each double length simplex bag filter uses double length 7" x 32" No.2 bags.

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Socket & Threaded	CPVC	FLV4P2D20ST2VS	**POA**
3" Socket*	CPVC	FLV4P2D30S2VS	**POA**
4" Socket*	CPVC	FLV4P2D40S2VS	**POA**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Flanged	CPVC	FLV4P2D20F2VS	**POA**
3" Flanged*	CPVC	FLV4P2D30F2VS	**POA**
4" Flanged*	CPVC	FLV4P2D40F2VS	**POA**

* Sizes 2-1/2" to 4" are available ONLY in double length vessels.
** GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket and Flanged. For Flanged, consult factory.
*** If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.

GFPP SINGLE LENGTH DUPLEX BAG FILTERS

Each single length simplex bag filter uses single length 7" x 16" No.1 bags.

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Socket & Threaded	CPVC	FLV4P1D20ST2VS	**POA**

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Flanged	CPVC	FLV4P1D20F2VS	**POA**

** GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket and Flanged. For Flanged, consult factory.

PVC & CPVC FLV SERIES BAG FILTERS

The FLV, PVC and CVPC bag filters feature all thermoplastic construction with true union connections and FPM Seals. EPDM Seals optional, consult factory for pricing. Solid 1-pc. bag carrier. Vent valve included.

PVC / CPVC DOUBLE LENGTH SIMPLEX BAG FILTERS

Double length simplex bag filters use double length 7" x 32" No. 2 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	PVC	FLV12S12STV	**$2,505.50**
1-1/2" True Union Socket/Threaded	PVC	FLV12S15STV	**$2,505.50**
2" True Union Socket/Threaded	PVC	FLV12S20STV	**$2,505.50**
2-1/2" True Union Socket	PVC	FLV12S25SV	**$3,382.40**
3" True Union Socket	PVC	FLV12S30SV	**$3,382.40**
4" True Union Socket	PVC	FLV12S40SV	**$3,758.20**
2-1/2" True Union Threaded	PVC	FLV12S25TV	**$3,382.40**
3" True Union Threaded	PVC	FLV12S30TV	**$3,382.40**
4" True Union Threaded	PVC	FLV12S40TV	**$3,758.20**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	PVC	FLV12S12FV	**$3,295.20**
1-1/2" True Union Flanged	PVC	FLV12S15FV	**$3,295.20**
2" True Union Flanged	PVC	FLV12S20FV	**$3,295.20**
2-1/2" True Union Flanged	PVC	FLV12S25FV	**$4,149.45**
3" True Union Flanged	PVC	FLV12S30FV	**$4,149.45**
4" True Union Flanged	PVC	FLV12S40FV	**$5,003.65**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	CPVC	FLV22S12STV	**$2,851.55**
1-1/2" True Union Socket/Threaded	CPVC	FLV22S15STV	**$2,851.55**
2" True Union Socket/Threaded	CPVC	FLV22S20STV	**$2,851.55**
2-1/2" True Union Socket	CPVC	FLV22S25SV	**$3,849.40**
3" True Union Socket	CPVC	FLV22S30SV	**$3,849.40**
4" True Union Socket	CPVC	FLV22S40SV	**$4,277.15**
2-1/2" True Union Threaded	CPVC	FLV22S25TV	**$3,849.40**
3" True Union Threaded	CPVC	FLV22S30TV	**$3,849.40**
4" True Union Threaded	CPVC	FLV22S40TV	**$4,277.15**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	CPVC	FLV22S12FV	**$3,437.05**
1-1/2" True Union Flanged	CPVC	FLV22S15FV	**$3,437.05**
2" True Union Flanged	CPVC	FLV22S20FV	**$3,437.05**
2-1/2" True Union Flanged	CPVC	FLV22S25FV	**$4,328.00**
3" True Union Flanged	CPVC	FLV22S30FV	**$4,328.00**
4" True Union Flanged	CPVC	FLV22S40FV	**$5,218.85**

PVC & CPVC FLV SERIES BAG FILTERS (cont.)

PVC / CPVC SINGLE LENGTH SIMPLEX BAG FILTERS

Single length simplex bag filters use single length 7" x 16" No. 1 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	PVC	FLV11S12STV	**$2,333.75**
1-1/2" True Union Socket/Threaded	PVC	FLV11S15STV	**$2,333.75**
2" True Union Socket/Threaded	PVC	FLV11S20STV	**$2,333.75**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	PVC	FLV11S12FV	**$2,842.55**
1-1/2" True Union Flanged	PVC	FLV11S15FV	**$2,842.55**
2" True Union Flanged	PVC	FLV11S20FV	**$2,842.55**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	CPVC	FLV21S12STV	**$2,489.40**
1-1/2" True Union Socket/Threaded	CPVC	FLV21S15STV	**$2,489.40**
2" True Union Socket/Threaded	CPVC	FLV21S20STV	**$2,489.40**

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	CPVC	FLV21S12FV	**$2,903.70**
1-1/2" True Union Flanged	CPVC	FLV21S15FV	**$2,903.70**
2" True Union Flanged	CPVC	FLV21S20FV	**$2,903.70**

PVC / CPVC DUPLEX BAG FILTERS

Each double length simplex bag filter uses double length 7" x 32" No. 2 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	PVC	FLV12D20STV	**$11,222.55**
3" True Union Socket	PVC	FLV12D30SV	**POA**
4" True Union Socket	PVC	FLV12D40SV	**POA**

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Flanged	PVC	FLV12D20FV	**$15,150.10**
3" True Union Flanged	PVC	FLV12D30FV	**POA**
4" True Union Flanged	PVC	FLV12D40FV	**POA**

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	CPVC	FLV22D20STV	**$12,469.50**
3" True Union Socket	CPVC	FLV22D30SV	**POA**
4" True Union Socket	CPVC	FLV22D40SV	**POA**

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Flanged	CPVC	FLV22D20FV	**$16,833.40**
3" True Union Flanged	CPVC	FLV22D30FV	**POA**
4" True Union Flanged	CPVC	FLV22D40FV	**POA**

PVC / CPVC DUPLEX BAG FILTERS

Each single length simplex bag filter uses single length 7" x 16" No. 1 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	PVC	FLV11D20STV	**$9,481.15**
2" True Union Flanged	PVC	FLV11D20FV	**$12,799.70**

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	CPVC	FLV21D20STV	**$10,534.65**
2" True Union Flanged	CPVC	FLV21D20FV	**$14,221.90**

FILTER BAGS

PP, POLYESTER AND NYLON FILTER BAGS

Sewn and Welded Construction

Sold by CARTON QUANTITY ONLY - 50 bags each carton**

Polypropylene needle felt bags are glazed finish and Polyester needle felt bags are singed finish.

PP NEEDLE FELT GLAZED FILTER BAGS – WELDED WITH SEWN PP RING

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
1 micron	PO001G1PRSH	50	**$8.55**	PO001G2PRSH	50	**$11.80**
5 micron	PO005G1PRSH	50	**$7.30**	PO005G2PRSH	50	**$9.30**
10 micron	PO010G1PRSH	50	**$7.30**	PO010G2PRSH	50	**$9.30**
25 micron	PO025G1PRSH	50	**$7.30**	PO025G2PRSH	50	**$9.30**
50 micron	PO050G1PRSH	50	**$7.30**	PO050G2PRSH	50	**$9.30**
100 micron	PO100G1PRSH	50	**$7.30**	PO100G2PRSH	50	**$9.30**
200 micron	PO200G1PRSH	50	**$7.30**	PO200G2PRSH	50	**$9.30**

PP NEEDLE FELT GLAZED FILTER BAGS – WELDED & PP FLANGE & PP HANDLES

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
1 micron	PO001G1PFWF	50	**$7.30**	PO001G2PFWF	50	**$10.80**
5 micron	PO005G1PFWF	50	**$6.10**	PO005G2PFWF	50	**$8.35**
10 micron	PO010G1PFWF	50	**$6.10**	PO010G2PFWF	50	**$8.35**
25 micron	PO025G1PFWF	50	**$6.10**	PO025G2PFWF	50	**$8.35**
50 micron	PO050G1PFWF	50	**$6.10**	PO050G2PFWF	50	**$8.35**
100 micron	PO100G1PFWF	50	**$6.10**	PO100G2PFWF	50	**$8.35**
200 micron	PO200G1PFWF	50	**$6.10**	PO200G2PFWF	50	**$8.35**

POLYESTER NEEDLE FELT SINGED FILTER BAGS – SEWN CONSTRUCTION & PP RING

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
1 micron	PE001S1PRSH	50	**$8.20**	PE001S2PRSH	50	**$11.30**
5 micron	PE005S1PRSH	50	**$6.95**	PE005S2PRSH	50	**$9.00**
10 micron	PE010S1PRSH	50	**$6.95**	PE010S2PRSH	50	**$9.00**
25 micron	PE025S1PRSH	50	**$6.95**	PE025S2PRSH	50	**$9.00**
50 micron	PE050S1PRSH	50	**$6.95**	PE050S2PRSH	50	**$9.00**
100 micron	PE100S1PRSH	50	**$6.95**	PE100S2PRSH	50	**$9.00**
200 micron	PE200S1PRSH	50	**$6.95**	PE200S2PRSH	50	**$9.00**

* FLV bag filters use single length 7" x 16" No. 1 bags or double length 7" x 32" No. 2 bags.
**** Surcharge of $30 per sku to be applied on orders less than carton quantities**
Color may vary.

FILTER BAGS (cont.)

PP, POLYESTER AND NYLON FILTER BAGS

Sewn and Welded Construction

Sold by CARTON QUANTITY ONLY - 50 bags each carton**

Polypropylene needle felt bags are of glazed finish and Polyester needle felt bags are of singed finish.

POLYESTER NEEDLE FELT SINGED FILTER BAGS – WELDED & PP FLANGE & PP HANDLES

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
1 micron	PE001S1PFWF	50	**$6.95**	PE001S2PFWF	50	**$10.45**
5 micron	PE005S1PFWF	50	**$5.85**	PE005S2PFWF	50	**$8.00**
10 micron	PE010S1PFWF	50	**$5.85**	PE010S2PFWF	50	**$8.00**
25 micron	PE025S1PFWF	50	**$5.85**	PE025S2PFWF	50	**$8.00**
50 micron	PE050S1PFWF	50	**$5.85**	PE050S2PFWF	50	**$8.00**
100 micron	PE100S1PFWF	50	**$5.85**	PE100S2PFWF	50	**$8.00**
200 micron	PE200S1PFWF	50	**$5.85**	PE200S2PFWF	50	**$8.00**

PP MONOFILAMENT MESH FILTER BAGS – SEWN & PP RING

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
150 micron	PMO150M1PRSH	50	**$12.45**	PMO150M2PRSH	50	**$17.20**
400 micron	PMO400M1PRSH	50	**$12.45**	PMO400M2PRSH	50	**$17.20**
600 micron	PMO600M1PRSH	50	**$10.10**	PMO600M2PRSH	50	**$16.30**
800 micron	PMO800M1PRSH	50	**$10.10**	PMO800M2PRSH	50	**$16.30**

NYLON MONOFILAMENT MESH FILTER BAGS – SEWN & PP RING

	Single Length*			Double Length*		
MICRON	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**	**PART NO.**	**CARTON QTY.**	**LIST PRICE PER BAG**
150 micron	NMO150M1PRSH	50	**$12.25**	NMO150M2PRSH	50	**$17.05**
400 micron	NMO400M1PRSH	50	**$12.25**	NMO400M2PRSH	50	**$17.05**
600 micron	NMO600M1PRSH	50	**$9.95**	NMO600M2PRSH	50	**$16.15**
800 micron	NMO800M1PRSH	50	**$9.95**	NMO800M2PRSH	50	**$16.15**

* FLV bag filters use single length 7" x 16" No. 1 bags or double length 7" x 32" No. 2 bags.
**** Surcharge of $30 per sku to be applied on orders less than carton quantities***
Color may vary.

CFLV SERIES CARTRIDGE FILTERS - SIMPLEX & DUPLEX

FLV Cartridge Filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.
Cartridges and Required Cartridge Adapter Kits sold separately. Refer to page 86.

SIMPLEX DOUBLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONN. MAT.	PART NO.	LIST PRICE
2" Threaded	GFPP	CFLV4P2S20T4V	**$1,862.95**
2" Flanged	GFPP	CFLV4P2S20F4V	**$2,423.50**
3" Threaded	GFPP	CFLV4P2S30T4V	**$2,139.95**
4" Threaded	GFPP	CFLV4P2S40T4V	**$3,024.55**
2" Socket	CPVC	CFLV4P2S20S2V	**$2,098.30**
3" Socket	CPVC	CFLV4P2S30S2V	**$2,830.30**
4" Socket	CPVC	CFLV4P2S40S2V	**$3,439.70**
2" Socket	PVC	CFLV4P2S20S1V	**$1,977.50**
3" Socket	PVC	CFLV4P2S30S1V	**$2,676.10**
4" Socket	PVC	CFLV4P2S40S1V	**$3,196.00**
2" Socket Fusion	PP	CFLV4P2S20S3V	**$1,862.95**
DN50 Socket Fusion	PP	CFLV4P2S5MS3V	**$1,862.95**
3" Socket Fusion*	PP	CFLV4P2S30S3V	**$2,676.10**
DN80 Socket Fusion	PP	CFLV4P2S8MS3V	**$2,676.10**
4" Socket Fusion*	PP	CFLV4P2S40S3V	**$3,024.55**
DN100 Socket Fusion	PP	CFLV4P2S1MS3V	**$3,024.55**

SIMPLEX DOUBLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	Double Length Filter Vessel With Female NPT Ports	CFLV4P2S20D4V	**$1,926.10**
2"	Double Length Filter Vessel With GFPP Flanges	CFLV4P2S20DF4V	**$2,626.25**

CFLV SERIES CARTRIDGE FILTERS - SIMPLEX & DUPLEX (cont.)

FLV Cartridge Filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.
Cartridges and Cartridge Adapter Kits sold separately. Refer to page 86.

SIMPLEX SINGLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONN. MAT.	PART NO.	LIST PRICE
2" Threaded	GFPP	CFLV4P1S20T4V	**$1,677.30**
2" Socket	CPVC	CFLV4P1S20S2V	**$1,912.60**
2" Socket	PVC	CFLV4P1S20S1V	**$1,775.45**
2" Flanged	GFPP	CFLV4P1S20F4V	**$2,239.35**
2" Socket Fusion	PP	CFLV4P1S20S3V	**$1,677.30**
DN50 Socket Fusion	PP	CFLV4P1S5MS3V	**$1,677.30**

SIMPLEX SINGLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	Single Length Filter Vessel With Female NPT Ports	CFLV4P1S20D4V	**$1,776.35**
2"	Single Length Filter Vessel with GFPP Flanges	CFLV4P1S20DF4V	**$2,462.75**

DUPLEX DOUBLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	GFPP Double Length Filter Vessel w/CPVC Socket & Threaded End Connections	CFLV4P2D20ST2V	**POA**
3"	GFPP Double Length Filter Vessel w/CPVC Socket End Connections	CFLV4P2D30S2V	**POA**
4"	GFPP Double Length Filter Vessel w/CPVC Socket End Connections	CFLV4P2D40S2V	**POA**
2"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D20F2V	**POA**
3"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D30F2V	**POA**
4"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D40F2V	**POA**

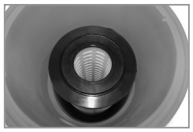
DUPLEX SINGLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	GFPP Single Length Filter Vessel w/CPVC Socket & Threaded End Connections	CFLV4P1D20ST2V	**POA**
2"	GFPP Single Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P1D20F2V	**POA**

CFLV SERIES CARTRIDGE FILTER ADAPTER KITS

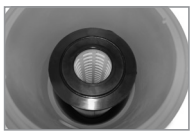
The CFLV Series cartridge filter is designed to accommodate various cartridge elements. Our cartridge adapter kits are manufactured in polypropylene, and cover Hayward cartridges as well as cartridges from other manufacturers. Installation is easy and fast. For detailed installation, please follow the instruction manual included with each kit.

Cartridges are sold separately.



CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF **SINGLE (1) CARTRIDGES/HAYWARD**

DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 7" x 16" (DOE)	CFLVKIT716	**$511.65**
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7" x 16" (DOE) Double Stacked	CFLVKIT732	**$534.50**
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7" x 30" (DOE)	CFLVKIT730	**$511.65**



CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF **SINGLE (1) CARTRIDGES/OTHER MANUFACTURERS******

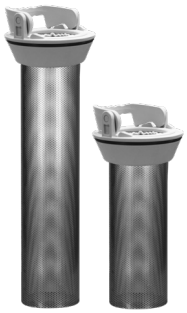
DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 4-1/2" x 10"** (DOE or 222 CAP)*	CFLVKIT410	**$511.65**
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 4-1/2" x 30"** (DOE or 222 CAP)*	CFLVKIT430	**$511.65**
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 7-3/4" x 10"*** (DOE)	CFLVKIT810	**$511.65**
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7-3/4" x 30"*** (DOE)	CFLVKIT830	**$511.65**

CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF **MULTIPLE (5) CARTRIDGES/HAYWARD AND OTHER MANUFACTURERS******

DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 2-1/2"-2-3/4" x 10"** (DOE or 222 CAP)*	MFLVKIT210	**$908.60**
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 2-1/2"-2-3/4" x 30"** (DOE or 222 CAP)*	MFLVKIT230	**$908.60**

- Consult factory for other cartridge kit sizes.
- Some kits contain dual purpose components.

* Designated adapters are designed to work with DOE and 222 End Connectors. When using 222 FIN cartridges, please contact factory for options before ordering adapters.
** ID minimum of 1".
*** ID minimum of 2-5/8".
**** When using non-Hayward manufactured cartridges, it is suggested to check cartridge dimensions and/or consult factory for proper fit.



FLV SERIES STAINLESS STEEL BASKETS

Available in both single and double lengths, the 316 Stainless Steel basket provides a highly efficient option for increased differential pressure conditions. The basket itself provides the structural strength required when processing highly viscous materials or when experiencing high solids loading.

The construction of this basket prevents by-pass of unprocessed fluids. With enhanced strength, it allows for a wide application range for the FLV Series bag filters. The large open area ratio, robust construction and easy installation makes this design an optimal choice for demanding chemical and corrosive applications. Features 316 SS baskets with basket ring assembly and FPM seals. For EPDM, change suffix "VS" to "ES." List prices same as FPM.* ***Use with PP ring style bag.***

If a filter vessel is needed, choose CFLV Series Filters from pages 84-85.

SINGLE LENGTH FLV - FPM
WITH BASKET RING ASSEMBLY*

PERFORATION	PART NO.	LIST PRICE
5/32"	FLXV701532VS	**$2,321.50**

DOUBLE LENGTH FLV - FPM
WITH BASKET RING ASSEMBLY*

PERFORATION	PART NO.	LIST PRICE
5/32"	FLXV702532VS	**$2,495.75**

SINGLE LENGTH FLV -
BASKETS ONLY

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB701532BSK	**$1,957.95**

DOUBLE LENGTH FLV -
BASKETS ONLY

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB702532BSK	**$2,132.05**

* Basket ring assembly will only work with SS baskets and not with GFPP baskets due to a different bag ring. Order bag ring for SS basket from **page 125** if using an existing GFPP basket ring assembly.

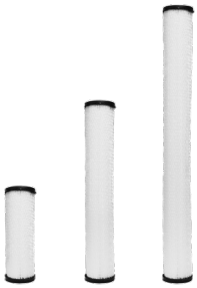
SINGLE CARTRIDGE FILTERS FOR 2-1/2" CARTRIDGES

New Design!

Used to filter fine particles from process fluid. Available in 10", 20" and 30" heights in PVC and CPVC. The single, double open-ended cartridge is not supplied with the unit and must be purchased separately. Cartridges are NOT stackable. The maximum flow rate per 10" length is 5 GPM. FPM seal is standard. Optional mounting base is available for mounting unit to floor or work surface.

Select 2-1/2" PP pleated cartridges from page 88.

MATERIAL	PART NO.	INLET (FNPT)	OUTLET (MNPT)	PLEATED CARTRIDGE FILTER AREA	APPROX. SHIPPING WEIGHT	LIST PRICE
PVC - 10"	FLT110	3/4"	3/4"	4.5 sq ft	7 lbs	**$617.90**
CPVC - 10"	FLT210	3/4"	3/4"	4.5 sq ft	7 lbs	**$823.85**
PVC - 20"	FLT120	3/4"	3/4"	9.0 sq ft	12 lbs	**$742.10**
CPVC - 20"	FLT220	3/4"	3/4"	9.0 sq ft	12 lbs	**$1,029.65**
PVC - 30"	FLT130	3/4"	3/4"	13.5 sq ft	17 lbs	**$961.20**
CPVC - 30"	FLT230	3/4"	3/4"	13.5 sq ft	17 lbs	**$1,235.55**



FILTER CARTRIDGES

Sold by CARTON QUANTITY ONLY.

*Surcharge of **$30** per sku to be applied on orders less than carton quantities.*
Micron ratings are nominal.

2-1/2" PP PLEATED CARTRIDGES - PVC DOE

10" LENGTH				30" LENGTH			
MICRON	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**	**MICRON**	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**
1 micron	PO001P210	25	**$59.25**	1 micron	PO001P230	25	**$119.40**
5 micron	PO005P210	25	**$57.65**	5 micron	PO005P230	25	**$113.15**
10 micron	PO010P210	25	**$52.65**	10 micron	PO010P230	25	**$107.00**
30 micron	PO030P210	25	**$50.10**	30 micron	PO030P230	25	**$93.10**

20" LENGTH			
MICRON	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**
1 micron	PO001P220	25	**$85.70**
5 micron	PO005P220	25	**$80.90**
10 micron	PO010P220	25	**$76.55**
30 micron	PO030P220	25	**$67.45**

7" PP PLEATED CARTRIDGES – PVC DOE

16" LENGTH				30" LENGTH			
MICRON	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**	**MICRON**	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**
1 micron	PO001P716	4	**$342.10**	1 micron	PO001P730	4	**$504.10**
5 micron	PO005P716	4	**$325.95**	5 micron	PO005P730	4	**$480.80**
10 micron	PO010P716	4	**$279.15**	10 micron	PO010P730	4	**$421.35**
30 micron	PO030P716	4	**$194.60**	30 micron	PO030P730	4	**$280.95**

7" PE CELLULOSE PLEATED CARTRIDGES - PVC DOE

16" LENGTH			
MICRON	**PART NO.**	**CTN. QTY.**	**LIST PRICE PER CARTRIDGE**
5 micron	PE005P716	4	**$180.35**

FLV AND CFLV SERIES OPTIONS

PRESSURE DIFFERENTIAL GAUGE ASSEMBLIES

Pressure Differential gauges show the difference between the inlet and outlet pressures and indicate when to change out the bag. The assemblies have tubing and a metal body that contacts the process fluid.

NAME/DESCRIPTION	PART NO.	LIST PRICE
Pressure Differential Gauge Kit and Mount for GFPP Assembly Aluminum body with nylon polytube and quick disconnect brass nylon fittings	**FLTDPAL**	**$1,078.15**
Pressure Differential Gauge Kit and Mount for GFPP Assembly SS body with braided SS reinforced PTFE tubing	**FLTDPSS**	**$1,330.70**
Pressure Differential Gauge Kit and Mount for PVC Assembly Aluminum body with nylon polytube and quick disconnect brass nylon fittings	**FLV1DPAL**	**$1,364.60**
Pressure Differential Gauge Kit and Mount for PVC Assembly SS body with braided SS reinforced PTFE tubing	**FLV1DPSS**	**$1,617.25**
Pressure Differential Gauge Kit and Mount for CPVC Assembly Aluminum body with nylon polytube and quick disconnect brass nylon fittings	**FLV2DPAL**	**$1,364.60**
Pressure Differential Gauge Kit and Mount for CPVC Assembly SS body with braided SS reinforced PTFE tubing	**FLV2DPSS**	**$1,617.25**
Pressure Differential Switch Option – Control a remote electrical device when a set differential pressure is reached. Nema 4 rated with one SPDT switch rated at .25 amp at 120 VAC. DIN type electrical connector for use with SJ type rubber cord wire	**FLTDPSW**	**$385.65**
Pressure Gauge Kits – Pressure gauge assembly kit includes 2x 0-100psi gauges for mounting on boss points. Available in stainless steel, polypropylene and PVDF.	**GGKITSS** Stainless Steel (GG160DUALFILL Gauge Included)* **GGKITPP** PolyPro (GA3050100 Gauge Included)* **GGKITPVDF** PVDF (GA5050100 Gauge Included)*	**$247.45** **$304.15** **$627.65**
Drill and Tap for Differential Gauge – Adder for FLV Series ONLY	**-P SUFFIX**	**$150.80**

NOTE: Available for filter vessels only.
* See page 94 for gauges.

LS SERIES AQUATIC SAND FILTER

The LS Series Aquatic Sand Filter comes in 31" and 36" spherical design. It's ideal for sensitive aquatic environments or salt water systems due to its corrosion resistant housing and base.

The LS Series features all hardware in 316 Stainless Steel, including the pressure gauge. The sand filter comes without the multiport valve, which must be ordered separately.

DESCRIPTION	FLOW RATE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
LS Aquatic Sand Filter 31"	99 GPM	**75 / 34.09**	LS311SX	**$1,074.35**
LS Aquatic Sand Filter 36"	130 GPM	**124 / 56.36**	LS360SX	**$1,448.00**

DESCRIPTION	POSITIONS	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
LS Aquatic Multiport Valve	6	**8 / 3.64**	LS0715X62	**$293.70**

HCF SERIES COMMERCIAL SAND FILTER

The HCF Commercial Sand Filter available in 30", 34" and 36" sizes has flow rates up to 143GPM and PVC and ABS injection-molded internals with 360° slotted laterals.

NEW

DESCRIPTION	FLOW RATE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
HCF Commerical Sand Filter 30"	100 GPM	**80 / 36.29**	HCF230	**$1,683.60**
HCF Commerical Sand Filter 34"	120 GPM	**100 / 45.36**	HCF234	**$2,185.25**
HCF Commerical Sand Filter 36"	143 GPM	**120 / 54.43**	HCF236	**$2,480.10**

DESCRIPTION	POSITIONS	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
Commercial Multiport Valve	6	**11 / 4.99**	HCV275	**$200.85**

DESCRIPTION	PART NUMBER	LIST PRICE
Inlet/Outlet Adaptor Kit (1-1/2"ID, 2"OD SKT)	DE2400PAK2CS	**$47.95**

HLS SERIES ADVANCED PRESSURE LEVEL TRANSMITTER

Employs advanced design features to ensure highly accurate and repeatable measurements in a wide range of liquid applications, chemically resistant CPVC body, laser etched model and SN, FEP-coated cable, includes desiccant tube for protection of breather tube from moisture ingress.

ELASTOMER MATERIAL	MAX LEVEL FT/H_20	CABLE LENGTH	PART NO.	LIST PRICE
EPDM	**6'**	20'	HLS233E000	**$1,013.45**
FPM	**6'**	20'	HLS233F000	**$1,013.45**
EPDM	**15'**	30'	HLS211E000	**$1,013.45**
FPM	**15'**	30'	HLS211F000	**$1,013.45**
EPDM	**33'**	50'	HLS222E000	**$1,143.05**
FPM	**33'**	50'	HLS222F000	**$1,143.05**

DESCRIPTION	PART NO.	LIST PRICE
Desiccant tube in housing	HLSMP10	**$43.85**
Moisture Protection Volume	HLSMP11	**$120.10**
Ceramic Sink Weight	HLSCW	**$65.00**

HLST200 SERIES LEVEL PROCESS DISPLAY

Digital Indicating Level Transmitter, NEMA 4X/IP65 front protection, ¼ DIN chassis, 100-240 VAC power, bright, configurable multi-color LCD display, programmable Relays (2), Open Collectors (2) and dual analog outputs, provides a second channel for PT100/PT1000 RTD input.

OUTPUT	PART NO.	LIST PRICE
4-20mA input + RTD	HLST200	**$944.85**
NEMA 4X/IP65 Enclosure	HMCENC	**$258.65**

HMC200 SERIES MULTI-PARAMETER CONTROLLER

NEW

Multi-Parameter controller offers a single channel for pH, ORP, Conductivity or Flow measurement, indication and control. No optional cards are required for full functionality. Three standard relays allow for precise control of a wide range of processes, including Hayward actuated valves. One of the two analog outputs (4-20 mA) is connected to a PID control loop, allowing the HMC200 to closely track process variable changes and prevent over-shoot. Complete NEMA 4X enclosure is suitable for use in tough, industrial environments. Built-in Auto-Calibration for pH, ORP and Conductivity.

OUTPUT	PART NO.	LIST PRICE
4-20mA	HMC200	**$1,904.60**

NEW

HMC300 SERIES WEB ENABLED MULTI-PARAMETER CONTROLLER

Web enabled multi-parameter controller offers inputs for four 4-20 mA sensors of any kind in any combination such as pH, ORP, Conductivity dissolved 02, Chlorine level and more as well as three frequency inputs or pulse counters including Hayward HEX Flow Sensors. Four relay outputs are programmable for any of the seven inputs as well as differential measurement between two analog inputs. 100% web enabled from set-up to data collection to remote viewing with password protection. Data logging is downloadable from web with direct Modbus/TCP communication. Alarm notifications can be configured for email/text notifications and display for each input.

OUTPUT	PART NO.	LIST PRICE
4-20mA	HMC300	**$4,346.25**

INSTRUMENTATION

PRO ELECTRODES

Rugged Molded ABS body, large reservoir of solid PP reference material, ¾" MNPT process connection, 10 ft of cable with BNC connector, porous PTFE junction resists blockage.

OUTPUT	PART NO.	LIST PRICE
pH	PRO15-10	**$597.50**
ORP	PRO25-10	**$597.50**

INDUSTRIAL ELECTRODES

pH and ORP models, Molded Ryton body, ¾" MNPT connections on both ends, Coaxial Porous Teflon Reference Junction resist fouling, Ag-AgCl junction, 10 ft of cable with either BNC (ZRD Metering Pumps) or bare wired (HMCP100 transmitter).

OUTPUT	PART NO.	LIST PRICE
pH with BNC	ZRDPH100	**$543.20**
pH with Bare Wires	HMCPPH001	**$543.20**
ORP with BNC	ZRDORP100	**$543.20**
ORP with Bare Wires	HMCPRP001	**$446.40**

NEW

HEX800 SERIES INSERTION MAGNETIC FLOWMETER

*No moving parts, 0.28 to 20 FPS flow range, Cast Aluminum Housing, PVC body, Hastelloy™C Electrodes, EPDM o-Ring, Built-in Indicating Transmitter displays Flow rate, Total and provides 4-20mA output signal, 24 VDC powered, full line of **required** matching insertion fittings available. Optional Batching Controller available…contact factory for details.*

LINE SIZE	PART NO.	LIST PRICE
Line size 1-3"	HEX819P	**POA**
Line Size 4-10"	HEX829P	**POA**
Line Size 12"	HEX839P	**POA**

INSERTION TEE FITTINGS			
SIZE	**MATERIAL**	**PART NO.**	**LIST PRICE**
1"	PVC	HEF81TP100	**$237.85**
1 1/2"	PVC	HEF81TP150	**$241.40**
2"	PVC	HEF81TP200	**$258.00**
1"	Carbon Steel	HEF81TC100	**$284.90**
1 1/2"	Carbon Steel	HEF81TC150	**$350.00**
2"	Carbon Steel	HEF81TC200	**$415.55**
1"	Stainless	HEF81TS100	**$415.55**
1 1/2"	Stainless	HEF81TS150	**$584.15**
2"	Stainless	HEF81TS200	**$601.10**
SADDLE FITTINGS			
SIZE	**MATERIAL**	**PART NO.**	**LIST PRICE**
3"	PVC	HEF82SP300	**$488.85**
4"	PVC	HEF82SP400	**$549.20**
6"	PVC	HEF82SP600	**$659.05**
8"	PVC	HEF82SP800	**$814.75**
3" 3.45-4.05 OD range	Iron	HEF82SF300	**$222.05**
4" 4-4.50 OD range	Iron	HEF82SF400	**$258.25**
6" 6-6.63 OD range	Iron	HEF82SF600	**$288.45**
8" 8-8.63 OD range	Iron	HEF82SF800	**$345.20**
10" 10-11.10 OD range	Iron	HEF82SF1000	**$549.20**
12" 12-13.20 OD range	Iron	HEF82SF1200	**$422.45**

GG SERIES GAUGES AND GAUGE GUARDS

GAUGE GUARD ONLY - NO GAUGE INSTALLED

All Gauge Guards have an FPM diaphragm and are rated to 150 PSI at 70 °F.

SIZE	MATERIAL	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	GG125X25	**$118.75**
1/4" X 1/2"	PVC	GG125X50	**$118.75**
1/4" X 1/4'	CPVC	GG225X25	**$141.60**
1/4" x 1/2"	CPVC	GG225X50	**$141.60**
1/4" x 1/4"	PP	GG3025X25	**$167.30**
1/4" x 1/2"	PVDF	GG5025X50	**$183.35**

GAUGE GUARD WITH STANDARD GAUGE* INSTALLED

SIZE	MATERIAL	GAUGE	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	0 to 30 PSI	GG125X25030	**$185.60**
1/4" X 1/4"	PVC	0 to 60 PSI	GG125X25060	**$185.60**
1/4" X 1/4'	PVC	0 to 160 PSI	GG125X25160	**$185.60**
1/4" x 1/2"	PVC	0 to 30 PSI	GG125X50030	**$185.60**
1/4" x 1/2"	PVC	0 to 60 PSI	GG125X50060	**$185.60**
1/4" x 1/2"	PVC	0 to 160 PSI	GG125X50160	**$185.60**
1/4" X 1/4"	CPVC	0 to 30 PSI	GG225X25030	**$209.65**
1/4" X 1/4"	CPVC	0 to 60 PSI	GG225X25060	**$209.65**
1/4" X 1/4'	CPVC	0 to 160 PSI	GG225X25160	**$209.65**
1/4" x 1/2"	CPVC	0 to 30 PSI	GG225X50030	**$207.55**
1/4" x 1/2"	CPVC	0 to 60 PSI	GG225X50060	**$207.55**
1/4" x 1/2"	CPVC	0 to 160 PSI	GG225X50160	**$207.55**
1/4" X 1/4"	PP	0 to 30 PSI	GG303025	**$214.95**
1/4" X 1/4"	PP	0 to 60 PSI	GG306025	**$214.95**
1/4" X 1/4'	PP	0 to 160 PSI	GG316025	**$214.95**
1/4" X 1/2"	PVDF	0 to 160 PSI	GG516050	**$236.95**

* Shipped assembled: Gauge (not liquid-filled) is attached to Guard which is filled with hydraulic fluid.

STANDARD GAUGES ONLY

Gauges are dual scaled (PSI & kg/cm²) and are available in three different PSI ratings.

SIZE	GAUGE	PART NO.	LIST PRICE
2"	0 to 30 PSI	GG030DUAL	**$57.40**
2"	0 to 60 PSI	GG060DUAL	**$57.40**
2'	0 to 160 PSI	GG160DUAL	**$66.45**

GAUGE GUARD W/STAINLESS STEEL LIQUID FILLED GAUGE* INSTALLED

SIZE	MATERIAL	GAUGE	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	0 to 160 PSI	GG125X25160SL	**$233.55**
1/4" X 1/2"	PVC	0 to 160 PSI	GG125X50160SL	**$233.55**
1/4" X 1/4'	CPVC	0 to 160 PSI	GG225X25160SL	**$257.10**
1/4" x 1/2"	CPVC	0 to 160 PSI	GG225X50160SL	**$257.10**
1/4" x 1/4"	PP	0 to 160 PSI	GG316025SL	**$261.55**
1/4" x 1/2"	PVDF	0 to 160 PSI	GG516050SL	**$291.95**

* Shipped assembled: Gauge (Glycerin-filled) is attached to Guard (filled with hydraulic fluid).

STAINLESS STEEL LIQUID FILLED GAUGES ONLY

Gauge has stainless steel housing and is liquid-filled. Gauge face shows dual rating of PSI and kg/cm². Available in 160 PSI only.

SIZE	GAUGE	PART NO.	LIST PRICE
2-1/2"	0 to 160 PSI	GG160DUALFILL	**$119.60**

Z SERIES SOLENOID DIAPHRAGM METERING PUMPS

ANALOG INTERFACE

The Z Series Solenoid Diaphragm Metering Pumps brings simplicity to your metering pump needs in all aspects of design, function and performance. The Z Series features only one design configuration, with front facing controls and tube connections, allowing for easy and flexible installation. Complete Kit includes PVDF foot valve, PVDF injection valve and tubing, floor stand and wall bracket.

ZMA - CONSTANT DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	Part No.	LIST PRICE
100	160	ZMA1000V-000	$796.20	ZMA1000E-000	$796.20
200	300	ZMA2000V-000	$880.60	ZMA2000E-000	$880.60
500	300	ZMA5000V-000	$1,226.45	ZMA5000E-000	$1,226.45

ZPA - PROPORTIONAL DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZPA1000V-000	$1,055.20	ZPA1000E-000	$1,055.20
200	300	ZPA2000V-000	$1,217.60	ZPA2000E-000	$1,217.60
500	300	ZPA5000V-000	$1,579.80	ZPA5000E-000	$1,579.80

ZTA - TIMED DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZTA1000V-000	$928.90	ZTA1000E-000	$928.90
200	300	ZTA2000V-000	$994.25	ZTA2000E-000	$994.25
500	300	ZTA5000V-000	$1,384.70	ZTA5000E-000	$1,384.70

DIGITAL INTERFACE

The Z Series intuitive digital programming menus are self explanatory and reduce programming time. With its Intelligent Display feature, once a function is selected the pump will only display the parameters to set. Complete Kit includes PVDF foot valve, PVDF injection valve and tubing, floor stand and wall bracket.

ZPD - PROPORTIONAL DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZPD1000V-000	$1,012.70	ZPD1000E-000	$1,012.70
200	300	ZPD2000V-000	$1,072.85	ZPD2000E-000	$1,072.85
500	300	ZPD5000V-000	$1,428.40	ZPD5000E-000	$1,428.40

ZRD - PH/REDOX CONTROL		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZRD1000V-000	$1,157.85	ZRD1000E-000	$1,157.85
200	300	ZRD2000V-000	$1,264.10	ZRD2000E-000	$1,264.10
500	300	ZRD5000V-000	$1,580.20	ZRD5000E-000	$1,580.20

ZKD - CONSTANT FLOW & TIMER		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZKD1000V-000	$1,273.45	ZKD1000E-000	$1,273.45
500	300	ZKD5000V-000	$1,815.25	ZKD5000E-000	$1,815.25

Z SERIES MULTIFUNCTION VALVE

PVDF Wetting components and a PTFE diaphragm. The MFV provides adjustment for very low dosing rates via discharge splitting and provides over-pressure protection. The Multifunction valve is mounted on the pump discharge port and allows access to the pump controls.

PART NO.	DESCRIPTION	LIST PRICE
ZMFV500P	For 100/200 Series	$210.35
ZMFV510P	For 500 Series	$210.35

PUMPS

A-SERIES LIFESTAR® AQUATIC PUMP

The A-Series LifeStar® pump is designed for operation in aquatic and animal life support systems. Its specialized construction makes it safe for even the most sensitive aquatic habitats. The LifeStar pump features a corrosion resistant Glass Filled Polypropylene housing, a silicon carbide shaft seal and all wetted hardware manufactured from 316 Stainless Steel for superior performance in aquatic applications.

A-SERIES LIFESTAR® AQUATIC PUMP
OPEN DRIP PROOF (ODP) MOTOR - SINGLE PHASE / THREE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
1/2 HP Aquatic Pump ODP	1/2	115/208-230	1	**42 / 19**	1A3SES12	**$1,045.30**
3/4 HP Aquatic Pump ODP	3/4	115/208-230	1	**44 / 20**	1A3SES13	**$1,090.70**
1 HP Aquatic Pump ODP	1	115/208-230	1	**47 / 21**	1A3SES14	**$1,212.05**
1-1/2 HP Aquatic Pump ODP	1-1/2	115/208-230	1	**51 / 23**	1A3SES15	**$1,302.95**
2 HP Aquatic Pump ODP	2	208-230	1	**51 / 23**	1A3SES16	**$1,590.65**
3 HP Aquatic Pump ODP	3	208-230	1	**66 / 30**	1A3SES17	**$1,939.05**
5 HP Aquatic Pump ODP	5	208-230	1	**66 / 30**	1A3SES18	**$2,984.10**
5 HP Aquatic Pump ODP	5	230/460	3	**66 / 30**	1A3SES28	**$3,169.40**

A-SERIES LIFESTAR® AQUATIC PUMP
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR - THREE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
1/2 HP Aquatic Pump TEFC	1/2	208-230/460	3	**42 / 19**	1A3SES32	**$1,232.35**
3/4 HP Aquatic Pump TEFC	3/4	208-230/460	3	**44 / 20**	1A3SES33	**$1,277.90**
1 HP Aquatic Pump TEFC	1	208-230/460	3	**47 / 21**	1A3SES34	**$1,399.00**
1-1/2 HP Aquatic Pump TEFC	1-1/2	230/460	3	**51 / 23**	1A3SES35	**$1,489.90**
2 HP Aquatic Pump TEFC	2	230/460	3	**51 / 23**	1A3SES36	**$1,777.65**
3 HP Aquatic Pump TEFC	3	230/460	3	**66 / 30**	1A3SES37	**$2,126.00**

A-SERIES LIFESTAR®VS VARIABLE SPEED* AQUATIC PUMP
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR - SINGLE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
2 HP Variable Speed* Aquatic Pump TEFC	2	230 at 60Hz only	1	**55 / 24**	1A3SES46VS	**$2,672.70**

* 600 - 3450 RPM

See **page 127** for parts and accessories.

LIFESTAR MV® AQUATIC PUMPS

The LifeStar® MV features a corrosion resistant modular Glass Filled Polypropylene (GFPP) housing and modular strainer basket for ease of installation and service. A silicon carbide/silicon carbide shaft seal and all wetted hardware manufactured from 316 Stainless Steel are standard for superior performance in aquatic applications. Heavy-duty TEFC motors are standard for all sizes and models. Available in multi voltages, 1-phase and 3-phase.

NEW

LIFESTAR®MV MEDIUM HEAD AQUATIC PUMP
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR

DESCRIPTION	RATED HP	VOLTAGE RANGE	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
2 HP 1 PH Aquatic Pump	2	208-230 at 60Hz 220-240 at 50Hz	1	**90 / 41**	1APSES16	**$2,455.10**
2 HP 3 PH Aquatic Pump	2	208-230/460 at 60Hz 190/380-415 at 50Hz	3	**90 / 41**	1APSES36	**$2,455.10**
3 HP 1 PH Aquatic Pump	3	208-230 at 60Hz 220-240 at 50Hz	1	**95 / 43**	1APSES17	**$2,711.85**
3 HP 3 PH Aquatic Pump	3	208-230/460 at 60Hz 190/380-415 at 50Hz	3	**95 / 43**	1APSES37	**$2,711.85**
5 HP 1 PH Aquatic Pump	5	208-230 at 60Hz 220-240 at 50Hz	1	**100 / 45**	1APSES18	**$3,387.40**
5 HP 3 PH Aquatic Pump	5	208-230/460 at 60Hz 190/380-415 at 50Hz	3	**100 / 45**	1APSES38	**$3,387.40**
7 HP 3 PH Aquatic Pump	7	208-230/460 at 60Hz 190/380-415 at 50Hz	3	**105 / 48**	1APSES39	**$4,920.55**

NEW

LIFESTAR®MVS VARIABLE SPEED AQUATIC PUMP
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
2.7 HP 1 PH Variable Speed Aquatic Pump	3	230 at 60Hz only	1	**65 / 29**	1APSES16VS	**$3,407.75**

See **page 127** for parts and accessories.

R SERIES MAGNETIC DRIVE PUMPS

Magnetic drive seal-less thermoplastic pumps designed for the most demanding applications. They handle a wide range of corrosive and ultra-pure liquids.

FIBERGLASS REINFORCED POLYPROPYLENE

H.P.	VOLTS	PHASE	SUCTION VS. DISCHARGE	APPROX. SHIPPING WEIGHT	MODEL NO.	ITEM NO.	LIST PRICE
1/3	115	1	1" X 1"	18 lbs	RC03	1M033TVT11	**$1,971.20**
1/2	115/230	1	1-1/2" X 1-1/2"	36 lbs	RX05	1M043TVT12	**$2,578.10**
3/4	115/230	1	1-1/2" X 1-1/2"	36 lbs	RX07	1M053TVT13	**$2,748.55**
1	115/230	1	1-1/2" X 1-1/2"	43 lbs	RX10	1M083TVT14	**$3,092.00**
1-1/2	208-230/460	3	2" X 1-1/2"	56 lbs	RX15	1M103TVT35	**$4,553.50**
2	208-230/460	3	2" X 1-1/2"	56 lbs	RX20	1M103TVT36	**$5,069.80**
3	208-230/460	3	2" X 1-1/2"	61 lbs	RX30	1M123TVT37	**$5,583.25**
5	208-230/460	3	2" X 1-1/2"	129 lbs	RX50	1M143TVT38	**$7,386.65**

CARBON REINFORCED ETFE*

H.P.	VOLTS	PHASE	SUCTION VS. DISCHARGE	APPROX. SHIPPING WEIGHT	MODEL NO.	ITEM NO.	LIST PRICE
1/3	115	1	1" X 1"	20 lbs	RC03	1M035TVT11	**$4,558.80**
1/2	115/230	1	1-1/2" X 1-1/2"	38 lbs	RX05	1M045TVT12	**$6,660.75**
3/4	115/230	1	1-1/2" X 1-1/2"	38 lbs	RX07	1M055TVT13	**$6,822.80**
1	115/230	1	1-1/2" X 1-1/2"	45 lbs	RX10	1M085TVT14	**$7,110.55**
1-1/2	208-230/460	3	2" X 1-1/2"	58 lbs	RX15	1M105TVT35	**$11,124.45**
2	208-230/460	3	2" X 1-1/2"	58 lbs	RX20	1M105TVT36	**$11,604.85**
3	208-230/460	3	2" X 1-1/2"	64 lbs	RX30	1M125TVT37	**$12,151.80**
5	208-230/460	3	2" X 1-1/2"	132 lbs	RX50	1M145TVT38	**$15,169.50**

* All ETFE pumps are equipped with threaded connections.

NOTES & OPTIONS:

Explosion-Proof Motor List Adders: 1/2 - 1 HP add **$1,007.90**; 1.5 - 3 HP add **$1,684.45**; 5 HP add **$2,181.65**

Wash-down Motor List Adders: 1/2 - 1 HP add **$720.85**; 1.5 - 3 HP add **$1,081.50**; 5 HP add **$1,802.40.** Please contact Hayward for voltage availability.

575 Volt Motor List Adders: 1/2 - 3/4 HP add **$67.70**; 1 - 1-1/2 HP add **$135.05** ; 2 - 3 HP add **$287.40**; 5 HP add **$422.10**.

For Impeller Trims: Add **$84.85** to list price.

Assembled GFPP Flanged Connections: 1/2 - 1 HP add **$542.60** to list; 1-1/2 - 5 HP add **$650.35** to list price.

Optional Bushing Materials: 1/2 - 5 HP add **$471.75** to list for carbon or **$542.60** to list for ceramic.

Elastomer - FPM is Standard: 1/2 - 5 HP add **$124.50** to list for EPDM.

R SERIES PUMP HEAD ASSEMBLIES & MOTORS

R SERIES - PART NUMBER MATRIX

DIGIT 1	DIGIT 2	FLOW (AA)	WET MAT'L (B)	BEARING	O-RING	CONNECT	MOTOR	HP/CONSTR
1	M	GPM/10	3 = GFPP	C = Carbon	E = EPDM	F = FLANGED	X = NONE	1 = 1/3 TEFC
			5 = ETFE	T = PTFE	V = FPM (VITON)	T = THREADED	1 = 115/230 VAC 50/60	2 = 1/2 TEFC
				Z = Ceramic			3 = 208-230/460 VAC 50/60 3ph	3 = 3/4 TEFC
							4 = 575 VAC 3ph	4 = 1 TEFC
							6 = 380 VAC 3ph	5 = 1.5 TEFC
								6 = 2 TEFC
								7 = 3 TEFC
								8 = 5 TEFC
								A = 1/3 EP

GFPP = Glass Filled Polypropylene, ETFE = Ethylene Tetrafluorethylene, TEFC = Totally Enclosed Fan-Cooled, EP = Explosion Proof

R SERIES PUMP HEAD ASSEMBLIES & MOTORS (cont.)

GLASS FILLED PP

PUMP HEAD ONLY

MOTOR ONLY - NO BASE

COMPLETE PUMP NO.	H.P.	PART NO.	LIST PRICE	PART NO.	H.P.	VOLTS	PHASE	LIST PRICE
1M043TVT12	1/2	1M053TVTX315	**$1,961.85**	16FA15-203NBX	**1/2**	**115/230**	**1**	**$1,267.20**
1M053TVT13	3/4	1M053TVTX	**$2,136.80**	16FA15-204NBX	**3/4**	**115/230**	**1**	**$1,547.65**
1M083TVT14	1	1M083TVTX	**$2,325.45**	16FA15-62NBX	**1**	**115/230**	**1**	**$1,682.75**
1M103TVT35	1-1/2	1M103TVTX437	**$3,524.45**	16FA15-174NBX	**1 1/2**	**208-230/460/3**	**3**	**$1,682.75**
1M103TVT36	2	1M103TVTX	**$3,954.40**	16FA15-300NBX	**2**	**208-230/460/3**	**3**	**$1,874.45**
1M123TVT37	3	1M123TVTX	**$4,250.30**	16FA15-145NBX	**3**	**208-230/460/3**	**3**	**$2,188.60**
1M143TVT38	5	1M143TVTX	**$5,791.90**	16FA15-189NBX	**5**	**208-230/460/3**	**3**	**$4,006.65**

CARBON REINFORCED ETFE

PUMP HEAD ONLY

MOTOR ONLY - NO BASE

COMPLETE PUMP NO.	H.P.	PART NO.	LIST PRICE	PART NO.	H.P.	VOLTS	PHASE	LIST PRICE
1M045TVT12	1/2	1M055TVTX315	**$5,381.75**	16FA15-203NBX	**1/2**	**115/230**	**1**	**$1,267.20**
1M055TVT13	3/4	1M055TVTX315	**$5,381.75**	16FA15-204NBX	**3/4**	**115/230**	**1**	**$1,547.65**
1M085TVT14	1	1M085TVTX	**$5,735.65**	16FA15-62NBX	**1**	**115/230**	**1**	**$1,682.75**
1M105TVT35	1-1/2	1M105TVTX437	**$8,993.80**	16FA15-174NBX	**1 1/2**	**208-230/460/3**	**3**	**$1,682.75**
1M105TVT36	2	1M105TVTX	**$9,365.60**	16FA15-300NBX	**2**	**208-230/460/3**	**3**	**$1,874.45**
1M125TVT37	3	1M125TVTX	**$9,819.50**	16FA15-145NBX	**3**	**208-230/460/3**	**3**	**$2,188.60**
1M145TVT38	5	1M145TVTX	**$12,251.60**	16FA15-189NBX	**5**	**208-230/460/3**	**3**	**$4,006.65**

T SERIES VERTICAL IMMERSIBLE PUMPS

Vertical seal-less, immersible, thermoplastic pumps designed for rugged chemical duty applications. They handle a wide range of corrosive and ultra-pure liquids. The pumps feature a single, non-coupled motor/ impeller stainless steel shaft with a proprietary, patent-pending shaft seal. Designed with a PTFE seal for more chemical compatibility and less wear/degradation over time.

CPVC

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0008	$1,674.25
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0008	$1,674.25
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0008	$1,874.65
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0008	$1,874.65
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0008	$2,060.25
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0008	$2,060.25
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0008	$2,490.20
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0008	$2,490.20
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0008	$2,603.40
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0008	$2,603.40
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0008	$2,682.20
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0008	$2,682.20

GFPP

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0003	$1,684.80
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0003	$1,684.80
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0003	$1,991.40
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0003	$1,991.40
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0003	$2,243.35
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0003	$2,243.35
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0003	$2,364.45
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0003	$2,364.45
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0003	$2,646.65
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0003	$2,646.65
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0003	$2,805.15
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0003	$2,805.15

PVDF

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0009	$2,446.85
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0009	$2,446.85
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0009	$2,643.30
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0009	$2,643.30
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0009	$2,969.25
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0009	$2,969.25
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0009	$3,111.60
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0009	$3,111.60
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0009	$3,205.00
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0009	$3,205.00
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0009	$3,596.60
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0009	$3,596.60

NOTES & OPTIONS:

1. Wash-down motor adder to list price: 1/3 - 1-1/2HP add **$401.80**. Add "WD" suffix to part number when ordering.
2. No other options available.

D & S SERIES VERTICAL IMMERSIBLE PUMPS

Vertical seal-less, immersible, plastic pumps designed for rugged chemical duty applications, handling a wide range of corrosive and ultra-pure liquids.

CPVC

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	12 lbs	1D1GX0008	**$1,154.40**
1/8	115/230	1	1"	1/2"	12 lbs	1DD1GX008	**$1,382.15**
1/15	115	1	3/4"	1/2"	7 lbs	1S1GX0008	**$930.00**
1/3	115/230	1	1"	3/4"	26 lbs	1S2GX0008	**$1,913.95**
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0008	**$1,913.95**
1/2	115/230	1	1 1/4"	1"	31 lbs	1S4GX0008	**$2,143.55**
3/4	208-230/460	3	1 1/4"	1"	31 lbs	1S4HX0008	**$2,143.55**
3/4	115/230	1	1 1/4"	1"	35 lbs	1S5GX0008	**$2,355.15**
1	208-230/460	3	1 1/4"	1"	35 lbs	1S5HX0008	**$2,355.15**
3/4	115/230	1	1 1/2"	1 1/4"	39 lbs	1SS6GX008	**$2,846.75**
3/4	208-230/460	3	1 1/2"	1 1/4"	39 lbs	1SS6HX008	**$2,846.75**
1	115/230	1	1 1/2"	1 1/4"	42 lbs	1SS7GX008	**$2,976.00**
1	208-230/460	3	1 1/2"	1 1/4"	42 lbs	1SS7HX008	**$2,976.00**
1 1/2	115/230	1	1 1/2"	1 1/4"	45 lbs	1S8GX0008	**$3,066.05**
1 1/2	208-230/460	3	1 1/2"	1 1/4"	45 lbs	1S8HX0008	**$3,066.05**
3	208-230/460	3	3" MALE SLIP	1 1/2"	75 lbs	1S0HX0008	**$4,195.20**
3	208-230/460	3	3" MALE SLIP	1 1/2"	75 lbs	1S0HX0100*	**$4,270.95**
5	208-230/460	3	3" MALE SLIP	2"	135 lbs	1S9HX0008	**$6,592.30**

* Has 4.5 inch trimmed impeller.

NATURAL PP

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	11 lbs	1D1GX0006	**$1,229.55**
1/8	115/230	1	1"	1/2"	11 lbs	1DD1GX006	**$1,426.35**
1/15	115	1	3/4"	1/2"	6 lbs	1S1GX0006	**$930.00**

FIBERGLASS REINFORCED PP

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	25 lbs	1S2GX0003	**$1,891.05**
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0003	**$1,891.05**
1/2	115/230	1	1 1/4"	1"	30 lbs	1S4GX0003	**$2,235.10**
3/4	208-230/460	3	1 1/4"	1"	30 lbs	1S4HX0003	**$2,235.10**
3/4	115/230	1	1 1/4"	1"	34 lbs	1S5GX0003	**$2,517.75**
1	208-230/460	3	1 1/4"	1"	34 lbs	1S5HX0003	**$2,517.75**
3/4	115/230	1	1 1/2"	1 1/4"	38 lbs	1SS6GX003	**$2,653.75**
3/4	208-230/460	3	1 1/2"	1 1/4"	38 lbs	1SS6HX003	**$2,653.75**
1	115/230	1	1 1/2"	1 1/4"	41 lbs	1SS7GX003	**$2,970.45**
1	208-230/460	3	1 1/2"	1 1/4"	41 lbs	1SS7HX003	**$2,970.45**
1 1/2	115/230	1	1 1/2"	1 1/4"	44 lbs	1S8GX0003	**$3,148.45**
1 1/2	208-230/460	3	1 1/2"	1 1/4"	44 lbs	1S8HX0003	**$3,148.45**

NOTES & OPTIONS:

1. D1 thru S8 CPVC, PP, and PVDF models have male (external) pipe thread suction port connection.
2. CPVC, PP, and PVDF models have female (internal) pipe thread discharge connections.
3. For non-standard, trimmed impellers - add **$80.85** to list price.
4. Explosion proof motor adders to list price: 1/3 – 1 HP add **$959.80**; 1 1/2 - 3 HP add **$1,604.20**; 5 HP add **$2,077.65**; Wash-down motor adders to list price: 1/3 – 1 HP add **$686.40**; 1 1/2 - 3 HP add **$1,029.95**; 5 HP add **$1,716.50**.
5. FPM is standard elastomer. For EPDM add **$104.15** to list price.
6. D&S Series, S-J Type electrical cord w/push button switch, add **$324.45**, (WED extension).

D & S SERIES VERTICAL IMMERSIBLE PUMPS (cont.)

Vertical seal-less, immersible, plastic pumps designed for rugged chemical duty applications, handling a wide range of corrosive and ultra-pure liquids.

PVDF

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	12 lbs	1D1GX0009	**$1,394.95**
1/8	115/230	1	1"	1/2"	12 lbs	1DD1GX009	**$1,739.25**
1/15	115	1	3/4"	1/2"	7 lbs	1S1GX0009	**$1,260.25**
1/3	115/230	1	1"	3/4"	26 lbs	1S2GX0009	**$2,745.40**
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0009	**$2,745.40**
1/2	115/230	1	1 1/4"	1"	31 lbs	1S4GX0009	**$2,970.45**
3/4	208-230/460	3	1 1/4"	1"	31 lbs	1S4HX0009	**$2,970.45**
3/4	115/230	1	1 1/4"	1"	35 lbs	1S5GX0009	**$3,344.70**
1	208-230/460	3	1 1/4"	1"	35 lbs	1S5HX0009	**$3,344.70**
3/4	115/230	1	1 1/2"	1 1/4"	39 lbs	1SS6GX009	**$3,506.75**
3/4	208-230/460	3	1 1/2"	1 1/4"	39 lbs	1SS6HX009	**$3,506.75**
1	115/230	1	1 1/2"	1 1/4"	42 lbs	1SS7GX009	**$3,614.05**
1 1/2	208-230/460	3	1 1/2"	1 1/4"	42 lbs	1SS7HX009	**$3,868.10**
1 1/2	115/230	1	1 1/2"	1 1/4"	45 lbs	1S8GX0009	**$4,061.55**
1 1/2	208-230/460	3	1 1/2"	1 1/4"	45 lbs	1S8HX0009	**$4,061.55**

** 575 Volt motors available. See list adders below.

NOTES & OPTIONS:

1. D1 thru S8 CPVC, PP, and PVDF models have male (external) pipe thread suction port connection.
2. CPVC, PP, and PVDF models have female (internal) pipe thread discharge connections.
3. For non-standard, trimmed impellers - add **$80.85** to list price.
4. Explosion proof motor adders to list price: 1/3 – 1 HP add **$959.80**; 1 1/2 - 3 HP add **$1,604.20**; 5 HP add **$2,077.65**; Wash-down motor adders to list price: 1/3 – 1 HP add **$686.40**; 1 1/2 - 3 HP add **$1,029.95**; 5 HP add **$1,716.50**.
5. FPM is standard elastomer. For EPDM add **$104.15** to list price.
6. D&S Series, S-J Type electrical cord w/push button switch, add **$324.45**, (WED extension).

INLET SCREENS FOR VERTICAL PUMPS

Features 3/16" perforated screen to strain harmful solids that may damage the impeller during operation. Inlet screens are available in CPVC only.

PUMP SERIES	CPVC SUFFIX NO.	ADDER LIST PRICE
D1/DD1/S2	SC2	**$117.40**
S4/S5	SC4	**$132.05**
SS6/SS7/S8	SC6	**$146.55**

D & S SERIES PUMP HEAD ASSEMBLIES & MOTORS

CPVC PUMP HEAD ONLY MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	H.P.	VOLTS	PHASE	LIST PRICE
1D1GX0008	1D1ZX0008	**$746.25**	16FA15-220	1/8	115/230	1	**$918.05**
1DD1GX008	1DD1ZX008	**$918.05**	16FA15-220	1/8	115/230	1	**$918.05**
1S1GX0008	1S1ZX0008	**$717.80**	16FA15-178	1/15	115	1	**$592.55**
1S2GX0008	1S2ZX0008	**$1,228.40**	16FA15-61	1/3	115/230	1	**$1,149.90**
1S2HX0008			16FA15-142	1/3	208-230/460	3	**$1,214.40**
1S4GX0008	1S4ZX0008	**$1,539.90**	16FA15-203	1/2	115/230	1	**$1,260.50**
1S4HX0008			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1S5GX0008	1S5ZX0008	**$1,571.15**	16FA15-204	3/4	115/230	1	**$1,385.15**
1S5HX0008			16FA15-74	1	208-230/460	3	**$1,446.10**
1SS6GX008	1SS6ZX008	**$1,818.00**	16FA15-204	3/4	115/230	1	**$1,385.15**
1SS6HX008			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1SS7GX008	1SS7ZX008	**$1,850.60**	16FA15-62	1	115/230	1	**$1,507.35**
1SS7HX008			16FA15-74	1	208-230/460	3	**$1,446.10**
1S8GX0008	1S8ZX0008	**$1,896.70**	16FA15-173	1 1/2	115/230	1	**$1,539.90**
1S8HX0008			16FA15-174	1 1/2	208-230/460	3	**$1,478.70**
1S0HX0008	1S0ZX0008*	**$3,155.50**	16FA15-145	3	208-230/460	3	**$2,067.55**
1S0HX0100	1S0ZX0100**	**$3,204.55**	16FA15-145	3	208-230/460	3	**$2,067.55**
1S9HX0008	1S9ZXCZ08	**$3,557.10**	16FA15-189	5	208-230/460	3	**$3,917.85**

* 5" Impeller
** 4.5" Impeller

PP PUMP HEAD ONLY MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	H.P.	VOLTS	PHASE	LIST PRICE
1D1GX0006	1D1ZX0006	**$825.15**	16FA15-220	1/8	115/230	1	**$918.05**
1DD1GX006	1DD1ZX006	**$1,056.95**	16FA15-220	1/8	115/230	1	**$918.05**
1S1GX0006	1S1ZX0006	**$778.85**	16FA15-178	1/15	115	1	**$592.55**
1S2GX0003	1S2ZX0003	**$1,260.30**	16FA15-61	1/3	115/230	1	**$1,149.90**
1S2HX0003			16FA15-142	1/3	208-230/460	3	**$1,214.40**
1S4GX0003	1S4ZX0003	**$1,571.15**	16FA15-203	1/2	115/230	1	**$1,260.50**
1S4HX0003			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1S5GX0003	1S5ZX0003	**$1,603.70**	16FA15-204	3/4	115/230	1	**$1,385.15**
1S5HX0003			16FA15-74	1	208-230/460	3	**$1,446.10**
1SS6GX003	1SS6ZX003	**$1,942.75**	16FA15-204	3/4	115/230	1	**$1,385.15**
1SS6HX003			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1SS7GX003	1SS7ZX003	**$1,942.75**	16FA15-62	1	115/230	1	**$1,507.35**
1SS7HX003			16FA15-74	1	208-230/460	3	**$1,446.10**
1S8GX0003	1S8ZX0003	**$2,036.40**	16FA15-173	1 1/2	115/230	1	**$1,539.90**
1S8HX0003			16FA15-174	1 1/2	208-230/460	3	**$1,478.70**

PVDF PUMP HEAD ONLY MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	H.P.	VOLTS	PHASE	LIST PRICE
1D1GX0009	1D1ZX0009	**$1,353.35**	16FA15-220	1/8	115/230	1	**$918.05**
1DD1GX009	1DD1ZX009	**$1,649.75**	16FA15-220	1/8	115/230	1	**$918.05**
1S1GX0009	1S1ZX0009	**$1,306.55**	16FA15-178	1/15	115	1	**$592.55**
1S2GX0009	1S2ZX0009	**$2,378.15**	16FA15-61	1/3	115/230	1	**$1,149.90**
1S2HX0009			16FA15-142	1/3	208-230/460	3	**$1,214.40**
1S4GX0009	1S4ZX0009	**$2,688.85**	16FA15-203	1/2	115/230	1	**$1,260.50**
1S4HX0009			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1S5GX0009	1S5ZX0009	**$2,859.75**	16FA15-204	3/4	115/230	1	**$1,385.15**
1S5HX0009			16FA15-74	1	208-230/460	3	**$1,446.10**
1SS6GX009	1SS6ZX009	**$2,892.45**	16FA15-204	3/4	115/230	1	**$1,385.15**
1SS6HX009			16FA15-288	3/4	208-230/460	3	**$1,385.15**
1SS7GX009	1SS7ZX009	**$2,938.60**	16FA15-62	1	115/230	1	**$1,507.35**
1SS7HX009			16FA15-74	1 1/2	208-230/460	3	**$1,446.10**
1S8GX0009	1S8ZX0009	**$3,033.35**	16FA15-173	1 1/2	115/230	1	**$1,539.90**
1S8HX0009			16FA15-174	1 1/2	208-230/460	3	**$1,478.70**

NOTES:
1. D1 thru S8 CPVC, PP, and PVDF models have male (external) pipe thread suction port connection.
2. S12 and S16 CPVC models have slip-on suction port connection of standard pipe diameter, for use of tubing or solvent welding of CPVC plumbing.
3. CPVC, PP, and PVDF models have female (internal) pipe thread discharge connections.
4. D1/DD1 and S1 are natural PP. S2 - S8 are glass-filled PP.

*** Pump head assemblies are considered as whole goods for discount and freight allowed order quantity qualification.**

BFAS SERIES
BULKHEAD FITTINGS - SHORT PATTERN

Bulkhead Fittings are used to make quick and easy piping connections to tanks.
PVC / EPDM 1/2" - 3" NSF/ANSI61 listed.

PVC/EPDM 1/2" - 3"

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE	
		PART NO.	FPM (FS)	EPDM (ES)	PART NO.	FPM (FS)	EPDM (ES)
1/2"	Skt. x Thd.	BFAS1005C(XX)	$34.80	$21.80	BFAS2005C(XX)	$42.30	$29.25
	Thd. x Thd.	BFAS1005T(XX)	$41.00	$28.00	N/A	-	-
3/4"	Skt. x Thd.	BFAS1007C(XX)	$37.45	$24.05	BFAS2007C(XX)	$47.90	$34.65
	Thd. x Thd.	BFAS1007T(XX)	$44.00	$30.85	N/A	-	-
1"	Skt. x Thd.	BFAS1010C(XX)	$42.75	$26.35	BFAS2010C(XX)	$55.85	$39.70
	Thd. x Thd.	BFAS1010T(XX)	$49.65	$33.30	N/A	-	-
1-1/4"	Skt. x Thd.	BFAS1012C(XX)	$51.20	$34.95	BFAS2012C(XX)	$56.35	$43.25
	Thd. x Thd.	BFAS1012T(XX)	$59.95	$45.15	N/A	-	-
1-1/2"	Skt. x Thd.	BFAS1015C(XX)	$51.20	$34.95	BFAS2015C(XX)	$70.15	$53.95
	Thd. x Thd.	BFAS1015T(XX)	$64.10	$47.90	N/A	-	-
2"	Skt. x Thd.	BFAS1020C(XX)	$84.65	$51.95	BFAS2020C(XX)	$108.95	$76.25
	Thd. x Thd.	BFAS1020T(XX)	$96.85	$63.80	N/A	-	-
3"	Skt. x Thd.	BFAS1030C(XX)	$150.95	$97.10	BFAS2030C(XX)	$189.25	$133.85
	Thd. x Thd.	BFAS1030T(XX)	$167.05	$113.10	N/A	-	-
4"	Skt. x Thd.	BFAS1040C(XX)	$388.10	$190.85	BFAS2040C(XX)	$422.65	$225.35
	Thd. x Thd.	BFAS1040T(XX)	$410.15	$213.35	BFAS2040T(XX)	$446.20	$252.80

SIZE	END CONN.	GFPP / EPDM		PP	LIST PRICE	
		PART NO.	LIST PRICE	PART NO.	FPM (FS)	EPDM (ES)
1/2"	Thd. x Thd.	BFAS4005TES	$18.50	BFAS3005T(XX)	$50.00	$37.90
3/4"	Thd. x Thd.	BFAS4007TES	$18.50	BFAS3007T(XX)	$58.25	$45.40
1"	Thd. x Thd.	BFAS4010TES	$22.40	BFAS3010T(XX)	$74.95	$58.25
1-1/4"	Thd. x Thd.	BFAS4012TES	$29.75	BFAS3012T(XX)	$90.55	$74.15
1-1/2"	Thd. x Thd.	BFAS4015TES	$29.75	BFAS3015T(XX)	$90.55	$74.15
2"	Thd. x Thd.	BFAS4020TES	$44.15	BFAS3020T(XX)	$147.90	$115.10
3"	Thd. x Thd.	BFAS4030TES	$82.70	BFAS3030T(XX)	$264.50	$231.15
4"	Thd. x Thd.	BFAS4040TES	$162.40	BFAS3040T(XX)	$465.70	$432.35

BFA SERIES
BULKHEAD FITTINGS STANDARD FLANGE

Bulkhead Fittings are used to make quick and easy piping connections to tanks.

NSF PVC/EPDM

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE		PP	LIST PRICE	
		PART NO.	FPM (FS)	EPDM (ES)	PART NO.	FPM (FS)	EPDM (ES)	PART NO.	FPM (FS)	EPDM (ES)
	Skt. x Thd.	BFA1005C(XX)	**$34.80**	**$21.80**	BFA2005C(XX)	**$42.30**	**$29.25**	N/A	-	-
1/2"	Skt. x Skt.	BFA1005S(XX)	**$34.80**	**$21.80**	BFA2005S(XX)	**$42.30**	**$29.25**	N/A	-	-
	Thd. x Thd.	BFA1005T(XX)	**$41.00**	**$28.00**	BFA2005T(XX)	**$53.05**	**$36.95**	BFA3005T(XX)	**$50.00**	**$37.90**
	Skt. x Thd.	BFA1007C(XX)	**$37.45**	**$24.05**	BFA2007C(XX)	**$47.90**	**$43.00**	N/A	-	-
3/4"	Skt. x Skt.	BFA1007S(XX)	**$37.45**	**$24.05**	BFA2007S(XX)	**$47.90**	**$34.65**	N/A	-	-
	Thd. x Thd.	BFA1007T(XX)	**$44.00**	**$30.85**	BFA2007T(XX)	**$59.65**	**$34.65**	BFA3007T(XX)	**$58.25**	**$45.40**
	Skt. x Thd.	BFA1010C(XX)	**$42.75**	**$26.35**	BFA2010C(XX)	**$55.85**	**$39.70**	N/A	-	-
1"	Skt. x Skt.	BFA1010S(XX)	**$42.75**	**$26.35**	BFA2010S(XX)	**$55.85**	**$39.70**	N/A	-	-
	Thd. x Thd.	BFA1010T(XX)	**$49.65**	**$33.30**	BFA2010T(XX)	**$63.65**	**$47.35**	BFA3010T(XX)	**$74.95**	**$58.25**
	Skt. x Thd.	BFA1012C(XX)	**$51.20**	**$34.95**	BFA2012C(XX)	**$70.15**	**$53.95**	N/A	-	-
1-1/4"	Skt. x Skt.	BFA1012S(XX)	**$51.20**	**$34.95**	BFA2012S(XX)	**$70.15**	**$53.95**	N/A	-	-
	Thd. x Thd.	BFA1012T(XX)	**$59.95**	**$45.15**	BFA2012T(XX)	**$94.30**	**$72.75**	BFA3012T(XX)	**$90.55**	**$74.15**
	Skt. x Thd.	BFA1015C(XX)	**$51.20**	**$34.95**	BFA2015C(XX)	**$70.15**	**$53.95**	N/A	-	-
1-1/2"	Skt. x Skt.	BFA1015S(XX)	**$51.20**	**$34.95**	BFA2015S(XX)	**$70.15**	**$53.95**	N/A	-	-
	Thd. x Thd.	BFA1015T(XX)	**$64.10**	**$47.90**	BFA2015T(XX)	**$94.30**	**$72.75**	BFA3015T(XX)	**$90.55**	**$74.15**
	Skt. x Thd.	BFA1020C(XX)	**$84.65**	**$51.95**	BFA2020C(XX)	**$108.95**	**$76.25**	N/A	-	-
2"	Skt. x Skt.	BFA1020S(XX)	**$84.65**	**$51.95**	BFA2020S(XX)	**$108.95**	**$76.25**	N/A	-	-
	Thd. x Thd.	BFA1020T(XX)	**$96.85**	**$63.80**	BFA2020T(XX)	**$122.90**	**$90.55**	BFA3020T(XX)	**$147.90**	**$115.10**
	Skt. x Thd.	BFA1030C(XX)	**$152.40**	**$97.10**	BFA2030C(XX)	**$189.25**	**$133.85**	N/A	-	-
3"	Skt. x Skt.	BFA1030S(XX)	**$152.40**	**$97.10**	BFA2030S(XX)	**$189.25**	**$133.85**	N/A	-	-
	Thd. x Thd.	BFA1030T(XX)	**$168.70**	**$113.10**	BFA2030T(XX)	**$214.60**	**$155.95**	BFA3030T(XX)	**$264.50**	**$231.15**
	Skt. x Thd.	BFA1040C(XX)	**$391.95**	**$190.85**	BFA2040C(XX)	**$422.65**	**$225.35**	N/A	-	-
4"	Skt. x Skt.	BFA1040S(XX)	**$391.95**	**$190.85**	BFA2040S(XX)	**$422.65**	**$225.35**	N/A	-	-
	Thd. x Thd.	BFA1040T(XX)	**$414.15**	**$213.35**	BFA2040T(XX)	**$454.65**	**$247.80**	BFA3040T(XX)	**$465.70**	**$432.35**
	Skt. x Thd.	BFA1060C(XX)	**$762.90**	**$498.50**	BFA2060C(XX)	**$1,239.60**	**$669.45**	N/A	-	-
6"	Skt. x Skt.	BFA1060S(XX)	**$762.90**	**$498.50**	BFA2060S(XX)	**$1,239.60**	**$669.45**	N/A	-	-
	Thd. x Thd.	BFA1060T(XX)	**$762.90**	**$498.50**	BFA2060T(XX)	**$1,239.60**	**$669.45**	BFA3060T(XX)	**$1,216.20**	**$656.75**

BFA SERIES
BULKHEAD FITTINGS LARGE FLANGE

Bulkhead Fittings are used to make quick and easy piping connections to tanks.

SIZE	END CONN.	PVC	LIST PRICE		CPVC	LIST PRICE		PP	LIST PRICE	
		PART NO.	FPM (FL)	EPDM (EL)	PART NO.	FPM (FL)	EPDM (EL)	PART NO.	FPM (FL)	EPDM (EL)
	Skt. x Thd.	BFA1005C(XX)	**$43.75**	**$29.85**	BFA2005C(XX)	**$58.45**	**$40.70**	N/A	-	-
1/2"	Skt. x Skt.	BFA1005S(XX)	**$43.75**	**$29.85**	BFA2005S(XX)	**$58.45**	**$40.70**	N/A	-	-
	Thd. x Thd.	BFA1005T(XX)	**$43.75**	**$29.85**	BFA2005T(XX)	**$58.45**	**$40.70**	BFA3005T(XX)	**$53.35**	**$40.70**
	Skt. x Thd.	BFA1007C(XX)	**$47.10**	**$32.65**	BFA2007C(XX)	**$65.45**	**$47.25**	N/A	-	-
3/4"	Skt. x Skt.	BFA1007S(XX)	**$47.10**	**$32.65**	BFA2007S(XX)	**$65.45**	**$47.25**	N/A	-	-
	Thd. x Thd.	BFA1007T(XX)	**$47.10**	**$32.65**	BFA2007T(XX)	**$65.45**	**$47.25**	BFA3007T(XX)	**$62.25**	**$48.60**
	Skt. x Thd.	BFA1010C(XX)	**$52.95**	**$35.50**	BFA2010C(XX)	**$69.90**	**$52.30**	N/A	-	-
1"	Skt. x Skt.	BFA1010S(XX)	**$52.95**	**$35.50**	BFA2010S(XX)	**$69.90**	**$52.30**	N/A	-	-
	Thd. x Thd.	BFA1010T(XX)	**$52.95**	**$35.50**	BFA2010T(XX)	**$69.90**	**$52.30**	BFA3010T(XX)	**$79.85**	**$62.25**

SF SERIES
SELF-ALIGNING BULKHEAD FITTINGS

Self-aligning Bulkhead Fittings are used to make piping connections to the top of domed tanks. Made with EPDM gaskets. Other sizes upon request, contact Hayward for availability and pricing.

SIZE	END CONN.	PVC	LIST PRICE	
		PART NO.	EPDM	FPM (V)
1"	Thread x Thread	SF10100T	**$170.30**	**$196.70**
2"	Thread x Thread	SF10200T	**$258.40**	**$293.75**
3"	Thread x Thread	SF10300T	**$399.80**	**$446.50**

AR SERIES AIR RELEASE VALVES

Air release valves have FPM seals and are assembled with silicone-free lubricant. They mount to 3/4" threaded pipe for easy installation on to a tank.

SIZE	END CONN.	PART NO.	LIST PRICE
3/4"	Skt./Thd.	AR10075ST	**$320.20**

"READY FLANGES"*

Easily converts threaded or socket end connections. Conforms to ANSI 150# bolt pattern. Now available with PN10 or JIS 10K flange patterns - consult factory for part number and pricing.

**PVC and CPVC are socket by default. GFPP is NPT thread..

PVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX10100PGN	$29.65	2"	Flanged	BVX10200PGN	$53.95
1-1/2"	Flanged	BVX10150PGN	$44.25	3"	Flanged	BVX10300PGN	$132.80
				4"	Flanged	BVX10400PGN	$186.75

CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX90100PGN	$33.35	2"	Flanged	BVX90200PGN	$60.80
1-1/2"	Flanged	BVX90150PGN	$49.85	3"	Flanged	BVX90300PGN	$151.25
				4"	Flanged	BVX90400PGN	$212.70

GFPP

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX40100PGN	$31.25	2"	Flanged	BVX40200PGN	$57.10
1-1/2"	Flanged	BVX40150PGN	$46.70	3"	Flanged	BVX40300PGN	$143.45
				4"	Flanged	BVX40400PGN	$201.55

TBH SERIES TRUE UNION BALL VALVE PARTS*

PVC

SIZE	BALL, STEM, LOCKPLATE & HANDLE KIT		PTFE SEAT & FPM SEAL REPAIR KIT		PTFE SEAT & EPDM SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TBXH1050BALLK	$29.85	TBXH1050SEATVK	$32.05	TBXH1050SEATEK	$32.05
3/8"	TBXH1050BALLK	$29.85	TBXH1050SEATVK	$32.05	TBXH1050SEATEK	$32.05
1/2"	TBXH1050BALLK	$29.85	TBXH1050SEATVK	$32.05	TBXH1050SEATEK	$32.05
3/4"	TBXH1075BALLK	$31.45	TBXH1075SEATVK	$37.20	TBXH1075SEATEK	$37.20
1"	TBXH1100BALLK	$40.65	TBXH1100SEATVK	$44.35	TBXH1100SEATEK	$44.35
1-1/4"	TBXH1150BALLK	$49.60	TBXH1150SEATVK	$60.05	TBXH1150SEATEK	$60.05
1-1/2"	TBXH1150BALLK	$49.60	TBXH1150SEATVK	$60.05	TBXH1150SEATEK	$60.05
2"	TBXH1200BALLK	$73.05	TBXH1200SEATVK	$80.90	TBXH1200SEATEK	$80.90
3"	TBXH1300BALLK	$210.65	TBXH300SEATVK	$134.65	TBXH300SEATEK	$134.65
4"	TBXH1400BALLK	$288.90	TBXH400SEATVK	$286.85	TBXH400SEATEK	$286.85

CPVC

SIZE	BALL, STEM, LOCKPLATE & HANDLE KIT		PTFE SEAT & FPM SEAL REPAIR KIT		PTFE SEAT & EPDM SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TBXH2050BALLK	$44.35	TBXH2050SEATVK	$39.90	TBXH2050SEATEK	$39.90
3/8"	TBXH2050BALLK	$44.35	TBXH2050SEATVK	$39.90	TBXH2050SEATEK	$39.90
1/2"	TBXH2050BALLK	$44.35	TBXH2050SEATVK	$39.90	TBXH2050SEATEK	$39.90
3/4"	TBXH2075BALLK	$46.95	TBXH2075SEATVK	$47.05	TBXH2075SEATEK	$47.05
1"	TBXH2100BALLK	$60.05	TBXH2100SEATVK	$56.60	TBXH21000SEATEK	$56.60
1-1/4"	TBXH2150BALLK	$75.60	TBXH2150SEATVK	$71.10	TBXH2150SEATEK	$71.10
1-1/2"	TBXH2150BALLK	$75.60	TBXH2150SEATVK	$71.10	TBXH2150SEATEK	$71.10
2"	TBXH2200BALLK	$109.25	TBXH2200SEATVK	$93.15	TBXH2200SEATEK	$93.15
3"	TBXH2300BALLK	$317.25	TBXH300SEATVK	$134.65	TBXH300SEATEK	$134.65
4"	TBXH2400BALLK	$431.70	TBXH400SEATVK	$286.85	TBXH400SEATEK	$286.85

TB SERIES TRUE UNION BALL VALVE PARTS*

PVC

SIZE	ASSEMBLY NUT		END CONNECTION				SEAL RETAINER	
			Socket or Threaded**		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TUX1052	$16.70	TUX100254S/T	$16.70	N/A	-	SRX15	$9.05
3/8"	TUX1052	$16.70	TUX100374S/T	$16.70	N/A	-	SRX15	$9.05
1/2"	TUX1052	$16.70	ECX15S/ECX15T	$16.70	TUX100504F	$83.95	SRX15	$9.05
3/4"	TBX10752	$19.35	ECX17S/ECX17T	$18.80	N/A	-	SRX17	$10.70
1"	TBX11002	$19.35	ECX11S/ECX11T	$21.60	TUX101004F	$129.95	SRX11	$10.70
1-1/4"	TBX11502	$27.60	ECX112S/ECX112T	$32.05	TUX101254F	$129.95	SRX115	$16.80
1-1/2"	TBX11502	$27.60	ECX115S/ECX115T	$34.65	TUX101504F	$141.25	SRX115	$16.80
2"	TBX122	$34.65	ECX12S/ECX12T	$45.20	TUX102004F	$209.50	SRX12002	$19.85
2-1/2"	TBX132	$79.65	ECX125S/ECX125T	$104.15	TUX102504F	$215.65	N/A	-
3"	TBX132	$79.65	ECX13S/ECX13T	$101.55	TUX103004F	$302.10	SRX13	$61.20
4"	TBX142	$71.75	ECX14S/ECX14T	$107.65	TUX104004F	$601.25	SRX14	$137.95

SIZE	BALL, STEM & HANDLE KIT		HANDLE		PTFE SEAT & FPM SEAL REPAIR KIT***	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TBX1050PAK	$30.40	HLX23	$21.05	TBX050PAK	$32.60
3/8"	TBX1050PAK	$30.40	HLX23	$21.05	TBX050PAK	$32.60
1/2"	TBX1050PAK	$30.40	HLX23	$21.05	TBX050PAK	$32.60
3/4"	TBX1075PAK	$32.05	HLX23	$21.05	TBX075PAK	$37.95
1"	TBX1100PAK	$41.45	HLX24	$25.00	TBX100PAK	$45.20
1-1/4"	TBX1150PAK	$50.55	HLX22	$23.90	TBX150PAK	$61.20
1-1/2"	TBX1150PAK	$50.55	HLX22	$25.00	TBX150PAK	$61.20
2"	TBX1200PAK	$74.45	HLX22	$25.00	TBX200PAK	$82.40
3"	TBX1300PAK	$214.65	TBX138	$42.60	TBX300PAK	$137.15
4"	TBX1400PAK	$294.30	TBX148	$42.60	TBX400PAK	$292.25

* Metric part numbers available, consult factory.
** S suffix for Socket; T suffix for Threaded.
*** To order EPDM kits, add E to the end of the part number.

CPVC

SIZE	ASSEMBLY NUT		END CONNECTION				SEAL RETAINER	
			Socket or Threaded*		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	$17.40	ECX95S/ECX95T	$25.00	N/A	-	SRX95	$13.45
3/4"	TUX90752	$20.45	ECX97S/ECX97T	$28.25	N/A	-	SRX97	$16.15
1"	TBX91002	$20.45	ECX91S/ECX91T	$32.05	TUX901004F	$170.20	SRX91	$16.15
1-1/4"	TBX91502	$41.00	ECX912S/ECX912T	$51.35	TUX901254F	$196.15	SRX915	$25.55
1-1/2"	TBX91502	$41.00	ECX915S/ECX915T	$51.35	TUX901504F	$230.65	SRX915	$25.55
2"	TBX922	$51.35	ECX92S/ECX92T	$67.10	TUX902004F	$299.55	SRX92002	$29.75
2-1/2"	TBX932	$116.50	ECX925S/ECX925T	$143.35	TUX902504F	$372.60	N/A	-
3"	TBX932	$116.50	ECX93S/ECX93T	$164.45	TUX903004F	$459.05	SRX93	$91.90
4"	TBX942	$105.05	ECX94S/ECX94T	$261.65	TUX904004F	$918.10	SRX94	$210.25

SIZE	BALL, STEM & HANDLE KIT		HANDLE		PTFE SEAT & FPM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX2050PAK	$45.20	HLX23	$21.05	TBX050PAK	$32.60
3/4"	TBX2075PAK	$47.85	HLX23	$21.05	TBX075PAK	$37.95
1"	TBX2100PAK	$61.20	HLX24	$25.00	TBX100PAK	$45.20
1-1/4"	TBX2150PAK	$77.00	HLX22	$25.00	TBX150PAK	$61.20
1-1/2"	TBX2150PAK	$77.00	HLX22	$25.00	TBX150PAK	$61.20
2"	TBX2200PAK	$111.35	HLX22	$25.00	TBX200PAK	$82.40
3"	TBX2300PAK	$323.20	TBX138	$42.60	TBX300PAK	$137.15
4"	TBX2400PAK	$439.85	TBX148	$42.60	TBX400PAK	$292.25

* S suffix for Socket; T suffix for Threaded.
** To order EPDM kits add the letter "E" to the end of the part number.
*** For GFPP parts, consult factory.

TW SERIES THREE-WAY TRUE UNION BALL VALVE PARTS

PVC

SIZE	ASSEMBLY NUT		END CONNECTION						BALL, STEM & HANDLE KIT**	
			Socket		Threaded		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX1052	$16.70	ECX15S	$16.70	ECX15T	$16.70	TUX100504F	$83.95	TWX15PAK	$126.55
3/4"	TBX10752	$19.35	ECX17S	$18.80	ECX17T	$18.80	TUX100754F	$136.25	TWX17PAK	$148.65
1"	TBX11002	$19.35	ECX11S	$21.60	ECX11T	$21.60	TUX101004F	$129.95	TWX11PAK	$172.15
1-1/4"	TBX122	$34.65	SBX1EC12S	$49.90	SBX1EC12T	$49.05	TUX101254F	$129.95	TWX12PAK	$189.60
1-1/2"	TBX122	$34.65	SBX1EC15S	$40.80	SBX1EC15T	$40.80	TUX101504F	$141.25	TWX12PAK	$189.60
2"	TBX122	$34.65	ECX12S	$45.20	ECX12T	$45.20	TUX102004F	$209.50	TWX12PAK	$189.60
2-1/2"	TBX132	$79.65	ECX125S	$104.15	ECX125T	$104.15	TUX102504F	$215.65	TWX13PAK	$288.45
3"	TBX132	$79.65	ECX13S	$101.55	ECX13T	$101.55	TUX103004F	$302.10	TWX13PAK	$288.45
4"	TBX142	$71.75	ECX14S	$107.65	ECX14T	$107.65	TUX104004F	$601.25	TWX14PAK	$566.95
	BSX142*	$104.15	ECX14SBS*	$158.65	ECX14TBS*	$158.65	LAX144F	$601.25	N/A	-
6"	N/A	-	N/A	-	N/A	-	TUX106004F	$680.55	TWX14PAK	$566.95
	N/A	-	N/A	-	N/A	-	LAX164F	$680.55	N/A	-

SIZE	HANDLE		TN OR NT STYLE BALL ONLY		TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	HLX23	$21.05	NTX100503B	$92.95	LAX5PAK	$21.85	LAX5PAKE	$16.75
3/4"	HLX23	$21.05	NTX100753B	$125.15	LAX7PAK	$22.70	LAX7PAKE	$17.40
1"	TWX1HL1	$23.75	NTX101003B	$194.80	LAX1PAK	$22.70	LAX1PAKE	$18.25
1-1/4"	TWX1HL2M	$25.00	NTX102003B	$289.05	LAX2PAK	$32.35	LAX2PAKE	$25.90
1-1/2"	TWX1HL2M	$25.00	NTX102003B	$289.05	LAX2PAK	$32.35	LAX2PAKE	$25.90
2"	TWX1HL2M	$25.00	NTX102003B	$289.05	LAX2PAK	$32.35	LAX2PAKE	$25.90
2-1/2"	LAX1HL3	$81.95	NTX103003B	$392.45	LAX3PAK	$96.60	LAX3PAKE	$58.70
3"	LAX1HL3	$81.95	NTX103003B	$392.45	LAX3PAK	$96.60	LAX3PAKE	$58.70
4"	LAX1HL4	$81.95	NTX104003B	$877.40	LAX4PAK	$151.60	LAX4PAKE	$99.20
6"	LAX1HL4	$81.95	NTX104003B	$877.40	LAX4PAK	$151.60	LAX4PAKE	$99.20

* Required for 3rd port.
** Includes o-ring for duplex lateral valve repair.

TW SERIES THREE-WAY TRUE UNION BALL VALVE PARTS (cont.)

CPVC

SIZE	ASSEMBLY NUT		END CONNECTION						BALL, STEM & HANDLE KIT**	
			Socket		Threaded		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	$17.40	ECX95S	$25.00	ECX95T	$25.00	TUX900504F	$136.25	TWX25PAK	$55.55
3/4"	TBX90752	$20.45	ECX97S	$28.25	ECX97T	$28.25	TUX900754F	$136.25	TWX27PAK	$58.70
1"	TBX91002	$20.45	ECX91S	$32.05	ECX91T	$32.05	TUX901004F	$170.20	TWX21PAK	$91.25
1-1/4"	TBX922	$51.35	SBX9EC12S	$78.90	SBX9EC12T	$138.20	TUX901254F	$196.15	TWX22PAK	$307.65
1-1/2"	TBX922	$51.35	SBX9EC15S	$78.90	SBX9EC15T	$138.20	TUX901504F	$230.65	TWX22PAK	$307.65
2"	TBX922	$51.35	ECX92S	$67.10	ECX92T	$67.10	TUX902004F	$299.55	TWX22PAK	$307.65
2-1/2"	BVX903002	$94.25	ECX925S	$143.35	ECX925T	$143.35	TUX902504F	$372.60	TWX23PAK	$474.05
3"	BVX903002	$94.25	ECX93S	$164.45	ECX93T	$164.45	TUX903004F	$459.05	TWX23PAK	$474.05
4"	TBX942	$105.05	ECX94S	$261.65	ECX94T	$261.65	TUX904004F	$918.10	TWX24PAK	$1,093.65
	BSX942*	$128.65	ECX94SBS*	$174.15	ECX94TBS*	$174.15	LAX944F	$918.10	N/A	-
6"	N/A	-	N/A	-	N/A	-	TUX906004F	$1,044.15	TWX24PAK	$1,093.65
	N/A	-	N/A	-	N/A	-	LAX964F	$1,044.15	N/A	-

SIZE	HANDLE		TN OR NT STYLE BALL ONLY		TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	HLX23	$21.05	NTX900503B	$138.85	LAX5PAK	$21.85	LAX5PAKE	$16.75
3/4"	HLX23	$21.05	NTX900753B	$187.05	LAX7PAK	$22.70	LAX7PAKE	$17.40
1"	TWX1HL1	$25.00	NTX901003B	$291.40	LAX1PAK	$22.70	LAX1PAKE	$18.25
1-1/4"	TWX1HL2M	$25.00	NTX902003B	$434.45	LAX2PAK	$32.35	LAX2PAKE	$25.90
1-1/2"	TWX1HL2M	$25.00	NTX902003B	$434.45	LAX2PAK	$32.35	LAX2PAKE	$25.90
2"	TWX1HL2M	$25.00	NTX902003B	$434.45	LAX2PAK	$32.35	LAX2PAKE	$25.90
2-1/2"	LAX1HL3	$74.60	NTX903003B	$588.15	LAX3PAK	$96.60	LAX3PAKE	$58.70
3"	LAX1HL3	$74.60	NTX903003B	$588.15	LAX3PAK	$96.60	LAX3PAKE	$58.70
4"	LAX1HL4	$81.95	NTX904003B	$1,316.35	LAX4PAK	$151.60	LAX4PAKE	$99.20
6"	LAX1HL4	$81.95	NTX904003B	$1,316.35	LAX4PAK	$151.60	LAX4PAKE	$99.20

* Required for 3rd port.
** Includes o-ring for duplex lateral valve repair.

LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVE PARTS

PVC

SIZE	ASSEMBLY NUT		FRONT ASSEMBLY NUT		END CONNECTION					
					Socket		Threaded		Flanged with Assembly Nut	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX10752	$19.35	N/A	-	ECX15S	$16.70	ECX15T	$16.70	TUX100504F	$83.95
3/4"	TBX10752	$19.35	N/A	-	ECX17S	$18.80	ECX17T	$18.80	TUX100754F	$136.25
1"	TBX11002	$19.35	N/A	-	ECX11S	$21.60	ECX11T	$21.60	TUX101004F	$129.95
1-1/4"	TBX122	$34.65	N/A	-	SBX1EC12S	$49.90	SBX1EC12T	$49.05	TUX101254F	$129.95
1-1/2"	TBX122	$34.65	N/A	-	SBX1EC15S	$40.80	SBX1EC15T	$40.80	TUX101504F	$141.25
2"	TBX122	$34.65	N/A	-	ECX12S	$45.20	ECX12T	$45.20	TUX102004F	$209.50
2-1/2"	TBX132	$60.80	N/A	-	ECX125S	$104.15	ECX125T	$104.15	TUX102504F	$215.65
3"	TBX132	$60.80	N/A	-	ECX13S	$101.55	ECX13T	$101.55	TUX103004F	$302.10
4"	TBX142	$71.75	N/A	-	ECX14S	$107.65	ECX14T	$107.65	TUX104004F	$601.25
	N/A	-	N/A	-	ECX14SBS*	$158.65	ECX14TBS*	$158.65	LAX144F	$601.25
6"	N/A	-	BSX142*	$104.15	N/A	-	N/A	-	TUX106004F	$680.55
	N/A	-	N/A	-	N/A	-	N/A	-	LAX164F	$680.55

SIZE	BALL, STEM & HANDLE KIT**		HANDLE		STANDARD 180° BALL		STANDARD 90° BALL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX15PAK	$126.55	HLX23	$21.05	LAX1BL5	$102.20	N/A	-
3/4"	LAX17PAK	$148.65	HLX23	$21.05	LAX1BL7	$125.15	N/A	-
1"	LAX11PAK	$172.15	HLX24	$25.00	LAX1BL1	$127.65	LAX1TN1	$127.65
1-1/4"	LAX12PAK	$189.60	HLX22	$25.00	LAX1BL2	$133.70	LAX1TN2	$133.70
1-1/2"	LAX12PAK	$189.60	HLX23	$21.05	LAX1BL2	$133.70	LAX1TN2	$133.70
2"	LAX12PAK	$189.60	LAX1HL2	$25.00	LAX1BL2	$133.70	LAX1TN2	$133.70
2-1/2"	LAX13PAK	$288.45	LAX1HL3	$74.60	LAX1BL3	$156.20	LAX1TN3	$156.20
3"	LAX13PAK	$288.45	LAX1HL3	$74.60	LAX1BL3	$156.20	LAX1TN3	$156.20
4"	LAX14PAK	$566.95	LAX1HL4	$81.95	LAX1BL4	$341.65	LAX1TN4	$341.65
6"	LAX14PAK	$566.95	LAX1HL4	$81.95	LAX1BL4	$341.65	LAX1TN4	$341.65

SIZE	TFE SEAT & FPM SEAL REPAIR KIT***		TFE SEAT & EPDM SEAL REPAIR KIT***	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX5PAK	$21.85	LAX5PAKE	$16.75
3/4"	LAX7PAK	$22.70	LAX7PAKE	$17.40
1"	LAX1PAK	$22.70	LAX1PAKE	$18.25
1-1/4"	LAX2PAK	$32.35	LAX2PAKE	$25.90
1-1/2"	LAX2PAK	$32.35	LAX2PAKE	$25.90
2"	LAX2PAK	$32.35	LAX2PAKE	$25.90
2-1/2"	LAX3PAK	$96.60	LAX3PAKE	$58.70
3"	LAX3PAK	$96.60	LAX3PAKE	$58.70
4"	LAX4PAK	$151.60	LAX4PAKE	$99.20
6"	LAX4PAK	$151.60	LAX4PAKE	$99.20

* Required for 3rd port.
** Includes o-ring for duplex lateral valve repair.

LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVE PARTS (cont.)

CPVC

SIZE	ASSEMBLY NUT		FRONT ASSEMBLY NUT		END CONNECTION					
					Socket		Threaded		Flanged with Assembly Nut	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	$17.40	N/A	-	ECX95S	$25.00	ECX95T	$25.00	TUX900504F	$136.25
3/4"	TBX90752	$20.45	N/A	-	ECX97S	$28.25	ECX97T	$28.25	TUX900754F	$136.25
1"	TBX91002	$20.45	N/A	-	ECX91S	$32.05	ECX91T	$32.05	TUX901004F	$170.20
1-1/4"	TBX922	$51.35	N/A	-	SBX9EC12S	$78.90	SBX9EC12T	$138.20	TUX901254F	$196.15
1-1/2"	TBX922	$51.35	N/A	-	SBX9EC15S	$78.90	SBX9EC15T	$138.20	TUX901504F	$230.65
2"	TBX922	$51.35	N/A	-	ECX92S	$67.10	ECX92T	$67.10	TUX902004F	$299.55
2-1/2"	TBX932	$116.50	N/A	-	ECX925S	$143.35	ECX925T	$143.35	TUX902504F	$372.60
3"	TBX932	$116.50	N/A	-	ECX93S	$164.45	ECX93T	$164.45	TUX903004F	$459.05
4"	TBX942	$105.05	N/A	-	ECX94S	$261.65	ECX94T	$261.65	TUX904004F	$918.10
	N/A	-	N/A	-	ECX94SBS*	$174.15	ECX94TBS*	$174.15	LAX944F	$918.10
6"	N/A	-	BSX942*	$128.65	N/A	-	N/A	-	TUX906004F	$1,044.15
	N/A	-	N/A	-	N/A	-	N/A	-	LAX964F	$1,044.15

SIZE	BALL, STEM & HANDLE KIT**		HANDLE		STANDARD 180° BALL		STANDARD 90° BALL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX25PAK	$142.65	HLX23	$21.05	LAX9BL5	$119.20	N/A	-
3/4"	LAX27PAK	$154.85	HLX23	$21.05	LAX9BL7	$136.25	N/A	-
1"	LAX21PAK	$116.45	HLX24	$25.00	LAX9BL1	$153.60	LAX9TN1	$153.60
1-1/4"	LAX22PAK	$212.20	HLX22	$25.00	LAX9BL2	$168.50	LAX9TN2	$168.50
1-1/2"	LAX22PAK	$212.20	HLX23	$21.05	LAX9BL2	$168.50	LAX9TN2	$168.50
2"	LAX22PAK	$212.20	LAX1HL2	$25.00	LAX9BL2	$168.50	LAX9TN2	$168.50
2-1/2"	LAX23PAK	$450.55	LAX1HL3	$74.60	LAX9BL3	$339.20	LAX9TN3	$339.20
3"	LAX23PAK	$450.55	LAX1HL3	$74.60	LAX9BL3	$339.20	LAX9TN3	$339.20
4"	LAX24PAK	$547.10	LAX1HL4	$81.95	LAX9BL4	$358.85	LAX9TN4	$358.85
6"	LAX24PAK	$547.10	LAX1HL4	$81.95	LAX9BL4	$358.85	LAX9TN4	$358.85

SIZE	TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX5PAK	$21.85	LAX5PAKE	$16.75
3/4"	LAX7PAK	$22.70	LAX7PAKE	$17.40
1"	LAX1PAK	$22.70	LAX1PAKE	$18.25
1-1/4"	LAX2PAK	$32.35	LAX2PAKE	$25.90
1-1/2"	LAX2PAK	$32.35	LAX2PAKE	$25.90
2"	LAX2PAK	$32.35	LAX2PAKE	$25.90
2-1/2"	LAX3PAK	$96.60	LAX3PAKE	$58.70
3"	LAX3PAK	$96.60	LAX3PAKE	$58.70
4"	LAX4PAK	$151.60	LAX4PAKE	$99.20
6"	LAX4PAK	$151.60	LAX4PAKE	$99.20

* Required for 3rd port.
** Includes o-ring for duplex lateral valve repair.

TC SERIES
TRUE UNION BALL CHECK VALVE PARTS

If required part is not listed below, refer to the part list for True Union Ball Valves.

PVC

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX100503	$9.45	TCX0050PAK	$28.40	TCX0050PAKE	$22.90
3/4"	TCX100753	$18.25	TCX0075PAK	$34.95	TCX0075PAKE	$27.65
1"	TCX101003	$21.30	TCX0100PAK	$38.45	TCX0100PAKE	$30.85
1-1/4"	TCX101253	$26.65	TCX0150PAK	$56.15	TCX0150PAKE	$45.05
1-1/2"	TCX101503	$29.90	TCX0150PAK	$56.15	TCX0150PAKE	$45.05
2"	TCX102003	$83.35	TCX0200PAK	$72.75	TCX0200PAKE	$58.40
2-1/2"	TCX103003	$156.80	TCX300PAK	$111.95	TCX300PAKE	$89.45
3"	TCX103003	$156.80	TCX300PAK	$111.95	TCX300PAKE	$89.45
4"	TCX104003	$650.55	TCX400PAK	$198.35	TCX400PAKE	$158.20

CPVC

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX200503	$4.85	TCX0050PAK	$28.40	TCX0050PAKE	$22.90
3/4"	TCX200753	$27.25	TCX0075PAK	$34.95	TCX0075PAKE	$27.65
1"	TCX201003	$32.30	TCX0100PAK	$38.45	TCX0100PAKE	$30.85
1-1/4"	TCX201253	$39.95	TCX0125PAK	$46.10	TCX0150PAKE	$45.05
1-1/2"	TCX201503	$45.05	TCX0150PAK	$56.15	TCX0150PAKE	$45.05
2"	TCX202003	$125.20	TCX0200PAK	$72.75	TCX0200PAKE	$58.40
3"	TCX903003	$234.95	TCX300PAK	$111.95	TCX300PAKE	$89.45
4"	TCX204003	$979.20	TCX400PAK	$198.35	TCX400PAKE	$158.20

PP

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX400503	$12.05	TCX0050PAK	$28.40	TCX0050PAKE	$22.90
3/4"	TCX400753	$23.75	TCX0075PAK	$34.95	TCX0075PAKE	$27.65
1"	TCX401003	$27.80	TCX0100PAK	$38.45	TCX0100PAKE	$30.85
1-1/2"	TCX401503	$39.05	TCX0150PAK	$56.15	TCX0150PAKE	$45.05
2"	TCX402003	$108.50	TCX0200PAK	$72.75	TCX0200PAKE	$58.40

YC SERIES Y-CHECK VALVE PARTS

PVC

SIZE	CAP		DISC		COIL		FPM SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	YCX1005013	$28.70	YCX1005012	$27.60	YCX1005014	$11.75	YCX0050PK	$7.60
3/4"	YCX1007513	$35.65	YCX1007512	$34.35	YCX1007514	$15.90	YCX0075PK	$7.60
1"	YCX1010013	$45.75	YCX1010012	$44.20	YCX1010014	$20.00	YCX0100PK	$10.15
1-1/4"	YCX1015013	$57.20	YCX1015012	$55.20	YCX1015014	$22.80	YCX0150PK	$13.45
1-1/2"	YCX1015013	$57.20	YCX1015012	$55.20	YCX1015014	$22.80	YCX0150PK	$13.45
2"	YCX1020013	$77.25	YCX1020012	$75.15	YCX1020014	$110.10	YCX0200PK	$27.25
3"	YCX1030013	$147.40	YCX1030012	$141.95	YCX1030014	$154.90	YCX0300PK	$48.35
4"	YCX1040013	$200.00	YCX1040012	$192.80	YCX1040014	$193.45	YCX0400PK	$100.50

* For CPVC Consult Factory

SLC SERIES SPRING-LOADED Y-CHECK VALVES

SIZE	SEAL KITS				SPRINGS	
	FPM		EPDM			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1"	SLC1PAKV	$41.35	SLC1PAKE	$29.10	YRXSPR100	$10.80
2"	SLC2PAKV	$50.60	SLC2PAKE	$36.75	YRXSPR200	$27.80
3"	SLC3PAKV	$62.00	SLC3PAKE	$44.75	YRXSPR300	$109.10
4"	SLC4PAKV	$78.85	SLC4PAKE	$56.35	YRXSPR400	$185.75

SW SERIES SWING CHECK VALVE PARTS

	3"		4"		6"		8"	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
FPM Seat O-Ring Kit	SW300PAKV	$206.85	SW400PAKV	$275.60	SW600PAKV	$317.10	SW800PAKV	$353.10
EPDM Seat O-Ring Kit	SW300PAKE	$139.65	SW400PAKE	$220.70	SW600PAKE	$253.80	SW800PAKE	$281.40
FPM Flange O-Ring Seal	ORX339V70	$58.40	ORX347V70	$58.40	ORX363V70	$78.60	ORX371V70	$78.60
EPDM Flange O-Ring Seal	ORX339E70	$46.70	ORX347E70	$46.70	ORX363E70	$60.60	ORX371E70	$60.60
FPM Clapper O-Ring Seal	SWXV36	$104.80	SWXV46	$110.45	SWXV66	$118.55	SWXV86	$124.35
EPDM Clapper O-Ring Seal	SWXE36	$82.90	SWXE46	$88.30	SWXE66	$94.00	SWXE86	$99.50
PVC Counterweight Kit	SW13CKIT	$344.80	SW14CKIT	$344.80	SW16CKIT	$344.80	SW18CKIT	$344.80
PP Counterweight Kit	SW43CKIT	$344.80	SW44CKIT	$344.80	SW46CKIT	$551.35	SW48CKIT	$688.90

* For CPVC Consult Factory

WCV SERIES CHECK VALVE PARTS

PVC

SIZE	DISC KITS (DISC, AXLE CAP, DISC O-RING & BODY O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV1203V	$83.05	WCXV1203E	$77.70
2-1/2"	WCXV1253V	$87.15	WCXV1253E	$81.70
3"	WCXV1303V	$99.50	WCXV1303E	$92.65
4"	WCXV1403V	$125.30	WCXV1403E	$118.45
6"	WCXV1603V	$153.75	WCXV1603E	$145.75
8"	WCXV1803V	$191.95	WCXV1803E	$181.10

WCV SERIES CHECK VALVE PARTS (cont.)

CPVC

SIZE	DISC KITS (DISC, AXLE CAP, DISC O-RING & BODY O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV9203V	$102.15	WCXV9203E	$96.70
2-1/2"	WCXV9253V	$107.65	WCXV9253E	$102.15
3"	WCXV9303V	$122.55	WCXV9303E	$115.75
4"	WCXV9403V	$153.75	WCXV9403E	$140.25
6"	WCXV9603V	$190.50	WCXV9603E	$170.15
8"	WCXV9803V	$238.15	WCXV9803E	$210.90

SIZE	SEAL KITS ((2) FACE O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV20SEALKITV	$15.05	WCXV20SEALKITE	$12.40
2-1/2"	WCXV25SEALKITV	$17.75	WCXV25SEALKITE	$15.05
3"	WCXV30SEALKITV	$21.85	WCXV30SEALKITE	$19.10
4"	WCXV40SEALKITV	$28.70	WCXV40SEALKITE	$24.65
6"	WCXV60SEALKITV	$35.60	WCXV60SEALKITE	$31.40
8"	WCXV80SEALKITV	$57.20	WCXV80SEALKITE	$51.85

SIZE	SPRINGS			
	STAINLESS STEEL		HASTELLOY	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV20SPRINGS	$54.50	WCXV20SPRINGH	$163.35
2-1/2"	WCXV25SPRINGS	$61.30	WCXV25SPRINGH	$183.75
3"	WCXV30SPRINGS	$68.15	WCXV30SPRINGH	$204.20
4"	WCXV40SPRINGS	$74.85	WCXV40SPRINGH	$224.50
6"	WCXV60SPRINGS	$88.50	WCXV60SPRINGH	$265.35
8"	WCXV80SPRINGS	$102.15	WCXV80SPRINGH	$306.20

BYV SERIES BUTTERFLY VALVES PARTS

HANDLE KIT, THROTTLE PLATE AND O-RING KITS

SIZE	HANDLE KIT		THROTTLE PLATE		FPM O-RING KITS		EPDM O-RING KITS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV3HLKIT	$135.15	BYXVTP4	$42.75	BYXV030ORKITV	$27.15	BYXV030ORKITE	$16.40
2-1/2"	BYXV3HLKIT	$135.15	BYXVTP4	$42.75	BYXV030ORKITV	$27.15	BYXV030ORKITE	$16.40
3"	BYXV3HLKIT	$135.15	BYXVTP4	$42.75	BYXV030ORKITV	$27.15	BYXV030ORKITE	$16.40
4"	BYXV4HLKIT	$135.15	BYXVTP4	$42.75	BYXV040ORKITV	$31.40	BYXV040ORKITE	$18.05
6"	BYXV6HLKIT	$156.55	BYXVTP8	$71.20	BYXV060ORKITV	$37.10	BYXV060ORKITE	$22.30
8"	BYXV8HLKIT	$156.55	BYXVTP8	$71.20	BYXV080ORKITV	$44.20	BYXV080ORKITE	$26.60
10"	NA	-	NA	-	BYXV100ORKITV	$52.75	BYXV100ORKITE	$31.65
12"	NA	-	NA	-	BYXV120ORKITV	$62.70	BYXV120ORKITE	$37.65

DISC

SIZE	PVC DISC		GFPP DISC		CPVC DISC	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV10202	$90.30	BYXV40202	$108.30	BYXV20202	$135.40
2-1/2"	BYXV10252	$100.25	BYXV40252	$120.10	BYXV20252	$150.20
3"	BYXV10302	$125.25	BYXV40302	$150.20	BYXV20302	$187.70
4"	BYXV10402	$128.55	BYXV40402	$154.20	BYXV20402	$192.70
6"	BYXV10602	$189.20	BYXV40602	$226.95	BYXV20602	$283.70
8"	BYXV10802	$256.80	BYXV40802	$308.15	BYXV20802	$385.10
10"	BYXV11002	$284.45	BYXV41002	$355.55	BYXV21002	$426.60
12"	BYXV11202	$320.00	BYXV41202	$426.60	BYXV21202	$533.15

LINER AND SEAL KITS

SIZE	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV020KITE	$122.65	BYXV020KITV	$425.25	BYXV020KITN	$122.65
2-1/2"	BYXV025KITE	$129.55	BYXV025KITV	$462.15	BYXV025KITN	$129.55
3"	BYXV030KITE	$136.35	BYXV030KITV	$504.80	BYXV030KITN	$136.35
4"	BYXV040KITE	$189.20	BYXV040KITV	$604.30	BYXV040KITN	$189.20
6"	BYXV060KITE	$240.60	BYXV060KITV	$817.95	BYXV060KITN	$240.60
8"	BYXV080KITE	$379.50	BYXV080KITV	$1,356.60	BYXV080KITN	$379.50
10"	BYXV100KITE	$763.70	BYXV100KITV	$2,245.95	BYXV100KITN	$763.70
12"	BYXV120KITE	$860.25	BYXV120KITV	$2,942.80	BYXV120KITN	$860.25

GEARBOX*

SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
2" - 3"	GBV3	$709.35	8"	GBV8	$780.30
4"	GBV4	$709.35	10"	GBV10	$827.05
6"	GBV6	$709.35	12"	GBV12	$827.05

* Installation hardware included

HANDWHEEL FOR GEAR

SIZE	PART NO.	LIST PRICE
2" - 4"	GRXHW4	$70.50
6" - 8"	GRXHW8	$77.65
10" - 12"	GRXHW12	$84.80

REPLACEMENT PARTS PRICE LIST FOR SOLENOID VALVES

Size	PVC Cartridge & Seal Kit FPM	PVC Cartridge & Seal Kit EPDM	CPVC Cartridge & Seal Kit FPM	CPVC Cartridge & Seal Kit EPDM	Bonnet Nut	Coil 120 VOLT Bonnet, Nut & Clip	Coil 220 VOLT Bonnet, Nut & Clip	Coil 12 VAC or 12 VDC, Bonnet, Nut & Clip	Coil 24 VAC or 24 VDC, Bonnet, Nut & Clip
1/4" - 1/2"	SVX1VCART **$231.95**	SVX1ECART **$219.15**	SVX2VCART **$231.95**	SVX2ECART **$247.75**	SVX452B **$54.80**	SVX5BCOIL120A **$432.85**	SVX5BCOIL220A **$432.85**	SVX5BCOIL12A/D **$567.55**	SVX5BCOIL24A/D **$567.55**
3/4" - 1"	SVX17VCART **$255.70**	SVX17ECART **$245.15**	SVX27VCART **$255.70**	SVX27ECART **$245.15**	SVX472B **$70.70**	SVX1BCOIL120A **$448.25**	SVX1BCOIL220A **$448.25**	SVX1BCOIL12A/D **$587.75**	SVX1BCOIL24A/D **$587.75**

MOUNTING KITS, COUPLINGS & ACCESSORIES FOR AUTOMATED HAYWARD VALVES

COUPLINGS	**LIST PRICE**
For True Union TB and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Hayward Actuator Model Number	**$67.15 each**
For True Union TB and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Hayward Actuator Model Number	**$82.10 each**
For Butterfly Valves, Sizes 2" - 8" Specify Valve Size and Hayward Actuator Model Number	**$120.05 each**
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Hayward Actuator Model Number	**POA**
MOUNTING KITS (Coupling, Bracket & Hardware)*	**LIST PRICE**
For True Union and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Hayward Actuator Model Number	**$151.75 each**
For True Union and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Hayward Actuator Model Number	**$209.85 each**
For Butterfly Valves, Sizes 2" - 8" Specify Valve Size and Hayward Actuator Model Number	**$262.60 each**
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Hayward Actuator Model Number	**POA**
QUICK DISCONNECT FITTINGS FOR POLY TUBING	**LIST PRICE**
Specify NPT Size 10-32SPT • 1/8" NPT • 1/4" NPT and Outside Diameter of Poly Tubing	**$19.40 each**
POLY TUBING	**LIST PRICE**
Specify Outside Diameter - 5/32" or 1/4" and Length Required	**$3.60 per foot**

* Consult Hayward for LA Series Lateral 3-Way valve kits & couplings.
POA = Priced on Availability. Consult factory for pricing and availability.

DAB SERIES DIAPHRAGM VALVE PARTS - DIAPHRAGMS

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	FPM	DVBXV053	$96.85
3/4"	FPM	DVBXV073	$111.55
1"	FPM	DVBXV103	$133.10
1-1/4"	FPM	DVBXV123	$255.40
1-1/2"	FPM	DVBXV153	$255.40
2"	FPM	DVBXV203	$300.00
2-1/2"	FPM	DVBXV253	$408.20
3"	FPM	DVBXV303	$562.75
4"	FPM	DVBXV403	$710.25
6"	FPM	DVBXV603	$2,221.35

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	EPDM	DVBXE053	$46.45
3/4"	EPDM	DVBXE073	$54.70
1"	EPDM	DVBXE103	$70.75
1-1/4"	EPDM	DVBXE123	$139.10
1-1/2"	EPDM	DVBXE153	$139.10
2"	EPDM	DVBXE203	$159.50
2-1/2"	EPDM	DVBXE253	$227.70
3"	EPDM	DVBXE303	$306.05
4"	EPDM	DVBXE403	$401.05
6"	EPDM	DVBXE603	$1,172.00

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	PTFE	DVBXT053	$120.90
3/4"	PTFE	DVBXT073	$137.15
1"	PTFE	DVBXT103	$173.20
1-1/4"	PTFE	DVBXT123	$302.00
1-1/2"	PTFE	DVBXT153	$302.00
2"	PTFE	DVBXT203	$362.50
2-1/2"	PTFE	DVBXT253	$547.30
3"	PTFE	DVBXT303	$652.10
4"	PTFE	DVBXT403	$813.00
6"	PTFE	DVBXT603	$2,752.35

DAB SERIES DIAPHRAGM VALVE PARTS

SIZE	PVC END CONNECTORS			PVC ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Socket Threaded	DAXBEC1050S DAXBEC1050T	$15.55 $15.55	DABXNUT1050	$15.55
3/4"	Socket Threaded	DAXBEC1075S DAXBEC1075T	$15.55 $15.55	DABXNUT1075	$13.00
1"	Socket Threaded	DAXBEC1100S DAXBEC1100T	$17.45 $17.45	DABXNUT1100	$13.00
1-1/4"	Socket Threaded	DAXBEC1125S DAXBEC1125T	$20.00 $20.00	DABXNUT1125	$25.70
1-1/2"	Socket Threaded	DAXBEC1150S DAXBEC1150T	$29.85 $29.85	DABXNUT1150	$32.30
2"	Socket Threaded	DAXBEC1200S DAXBEC1200T	$32.30 $32.30	DABXNUT1200	$74.45

DAB SERIES DIAPHRAGM VALVE PARTS (cont.)

SIZE	CPVC END CONNECTORS			CPVC ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Socket Threaded	DAXBEC2050S DAXBEC2050T	$23.25 $23.25	DABXNUT2050	$16.20
3/4"	Socket Threaded	DAXBEC2075S DAXBEC2075T	$26.50 $26.50	DABXNUT2075	$19.20
1"	Socket Threaded	DAXBEC2100S DAXBEC2100T	$29.85 $29.85	DABXNUT2100	$19.20
1-1/4"	Socket Threaded	DAXBEC2125S DAXBEC2125T	$47.90 $47.90	DABXNUT2125	$38.30
1-1/2"	Socket Threaded	DAXBEC2150S DAXBEC2150T	$47.90 $47.90	DABXNUT2150	$38.30
2"	Socket Threaded	DAXBEC2200S DAXBEC2200T	$62.70 $62.70	DABXNUT2200	$47.90

SIZE	PP END CONNECTORS			PP ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	DAXBEC3050T	$20.00	DABXNUT3050	$16.20
3/4"	Threaded	DAXBEC3075T	$23.15	DABXNUT3075	$19.20
1"	Threaded	DAXBEC3100T	$26.30	DABXNUT3100	$19.20
1-1/4"	Threaded	DAXBEC3125T	$41.65	DABXNUT3125	$38.30
1-1/2"	Threaded	DAXBEC3150T	$41.65	DABXNUT3150	$38.30
2"	Threaded	DAXBEC3200T	$54.35	DABXNUT3200	$47.90

SIZE	PVDF END CONNECTORS			PVDF ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	DAXBEC5050T	$23.30	DABXNUT5050	$18.60
3/4"	Threaded	DAXBEC5075T	$26.85	DABXNUT5075	$22.10
1"	Threaded	DAXBEC5100T	$30.50	DABXNUT5100	$22.10
1-1/4"	Threaded	DAXBEC5125T	$48.25	DABXNUT5125	$44.00
1-1/2"	Threaded	DAXBEC5150T	$48.25	DABXNUT5150	$44.00
2"	Threaded	DAXBEC5200T	$62.90	DABXNUT5200	$55.20

ACRYLIC CAP REPLACEMENT		
SIZE	PART NO.	LIST PRICE
1/2"	DAXBCAP125	$46.40
3/4"	DAXBCAP125	$46.40
1"	DAXBCAP125	$46.40
1-1/4"	DAXBCAP125	$46.40
1-1/2"	DAXBCAP20	$46.40
2"	DAXBCAP20	$46.40
2-1/2"	DAXBCAP25	$59.05
3"	DAXBCAP30	$71.45
4"	DAXBCAP40	$99.00
6"	DAXBCAP60	$187.35
8"	DAXBCAP80	$348.30

RV SERIES PRESSURE RELIEF VALVE PARTS

SIZE	PVC* SPRING		FPM SEAT & SEAL KIT		EPDM SEAT & SEAL KIT		PISTON		ADJUSTMENT SCREW	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	PRX00751B	$222.75	RVX0050PAK	$44.20	RVX0050PAKE	$35.75	RVX105023	$88.45	RVX1005018	$66.50
3/4"	RVX007515B	$222.75	RVX0075PAK	$53.25	RVX0075PAKE	$44.20	RVX107523	$110.70	RVX1007518	$88.45
1"	RVX010015B	$222.75	RVX0100PAK	$66.50	RVX0100PAKE	$53.25	RVX110023	$154.80	RVX1010018	$110.70
1-1/2"	RVX015015B	$266.55	RVX0150PAK	$88.45	RVX0150PAKE	$70.55	RVX115023	$197.25	RVX1015018	$133.50
2"	RVX020015B	$287.70	RVX0200PAK	$110.70	RVX0200PAKE	$88.45	RVX1020023	$244.45	RVX1020018	$176.10

* CPVC, consult factory

PR SERIES PRESSURE REGULATOR VALVE PARTS

SIZE	PVC* SPRING**		FPM*** SEAT & SEAL KIT		STEM		PISTON	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	RVX010015B	$222.75	PRX0075PAK	$113.90	PRX100755	$184.55	PRX1007523	$99.15
1/2"	RVX010015B	$222.75	PRX0075PAK	$113.90	PRX100755	$184.55	PRX1007523	$99.15
3/4"	RVX010015B	$222.75	PRX0075PAK	$113.90	PRX100755	$184.55	PRX1007523	$99.15
1"	PRX015015B	$266.30	PRX0150PAK	$152.85	PRX101505	$287.40	PRX1015023	$184.55
1-1/2"	PRX015015B	$266.30	PRX0150PAK	$152.85	PRX101505	$287.40	PRX1015023	$184.55

* For CPVC, consult factory.
** Spring Part # is for a KYNAR® coated spring. Kynar® is a registered trademark of Arkema, Inc.
*** EPDM, consult factory.

AV SERIES ANGLE GLOBE VALVE PARTS

SIZE	FPM* SEAT & SEAL KIT	
	PART NO.	LIST PRICE
1/4"	AVX0025PAK	$31.80
1/2"	AVX0050PAK	$33.70
3/4"	AVX0075PAK	$33.95
1"	AVX0100PAK	$37.45
1-1/2"	AVX0150PAK	$40.80
2"	AVX0200PAK	$46.50

* EPDM, consult factory

PBV SERIES BACK PRESSURE VALVE PARTS

SIZE	PRESSURE SPRING 0 - 50 PSI		PRESSURE SPRING 10 - 150 PSI		PRESSURE SPRING 10 - 250 PSI	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	PBV0SPRNG050	$38.30	PBV1SPRNG050	$38.30	PBV2SPRNG050	$38.30
1/2"	PBV0SPRNG050	$38.30	PBV1SPRNG050	$38.30	PBV2SPRNG050	$38.30
3/4"	PBV0SPRNG100	$66.10	PBV1SPRNG100	$66.10	PBV2SPRNG100	$66.10
1"	PBV0SPRNG100	$66.10	PBV1SPRNG100	$66.10	PBV2SPRNG100	$66.10
1-1/2"	N/A	-	PBV1SPRNG200	$111.50	N/A	-
2"	N/A	-	PBV1SPRNG200	$111.50	N/A	-

SIZE	DIAPHRAGM PTFE/EPDM		DIAPHRAGM PTFE/FPM		REBUILD KIT (Diaphragm PTFE/EPDM, Compressor, Adjustment Screw, Spring 10 - 150 psi)	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	PBVDIAPE050	$52.95	PBVDIAPV050	$70.50	PBVKITPE037	$127.65
1/2"	PBVDIAPE050	$52.95	PBVDIAPV050	$70.50	PBVKITPE037	$127.65
3/4"	PBVDIAPE100	$104.25	PBVDIAPV100	$122.90	PBVKITPE100	$212.70
1"	PBVDIAPE100	$104.25	PBVDIAPV100	$122.90	PBVKITPE100	$212.70
1-1/2"	PBVDIAPE200	$136.55	PBVDIAPV200	$205.40	PBVKITPE200	$278.70
2"	PBVDIAPE200	$136.55	PBVDIAPV200	$205.40	PBVKITPE200	$278.70

SB OR DB SERIES BASKET STRAINER PARTS

PVC

SIZE	COVER ASSEMBLY PVC FPM		COVER ASSEMBLY PVC EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX1111ASSY	**$89.85**	BSX1111ASSYE	**$79.80**	SB1KIT	**$21.95**	SB1KITE	**$18.50**	PVC—FPM	
1-1/4"-2"	BSX1211ASSY	**$133.60**	BSX1211ASSYE	**$123.35**	SB2KIT	**$36.00**	SB2KITE	**$27.25**	BSX1PLUG2	**$38.60**
2-1/2"-4"	BSX1411ASSY	**$215.55**	BSX1411ASSYE	**$192.45**	SB4KIT	**$87.40**	SB4KITE	**$64.30**	PVC—EPDM	
6"-8"	BSX1611ASSY	**$471.80**	BSX1611ASSYE	**$443.60**	SB6KIT	**$115.60**	SB6KITE	**$82.15**	BSX1PLUG2E	**$31.00**

CPVC

SIZE	COVER ASSEMBLY CPVC FPM		COVER ASSEMBLY CPVC EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX9111ASSY	**$115.60**	BSX9111ASSYE	**$100.25**	SB1KIT	**$21.95**	SB1KITE	**$18.50**	CPVC—FPM	
1-1/4"-2"	BSX9211ASSY	**$154.00**	BSX9211ASSYE	**$145.25**	SB2KIT	**$36.00**	SB2KITE	**$27.25**	BSX9PLUG2	**$54.10**
2-1/2"-4"	BSX9411ASSY	**$277.10**	BSX9411ASSYE	**$255.45**	SB4KIT	**$87.40**	SB4KITE	**$64.30**	CPVC—EPDM	
6"-8"	BSX9611ASSY	**$538.30**	BSX9611ASSYE	**$507.80**	SB6KIT	**$115.60**	SB6KITE	**$82.15**	BSX9PLUG2E	**$43.85**

GFPP

SIZE	COVER ASSEMBLY GFPP FPM		COVER ASSEMBLY GFPP EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX4111ASSY	**$127.05**	BSX4111ASSYE	**$110.20**	SB1KIT	**$21.95**	SB1KITE	**$18.50**	CPVC—FPM	
1-1/4"-2"	BSX4211ASSY	**$169.45**	BSX4211ASSYE	**$159.70**	SB2KIT	**$36.00**	SB2KITE	**$27.25**	BSX4PLUG2	**$59.45**
2-1/2"-4"	BSX4411ASSY	**$304.75**	BSX4411ASSYE	**$280.85**	SB4KIT	**$87.40**	SB4KITE	**$64.30**	CPVC—EPDM	
									BSX4PLUG2E	**$48.15**

* Plugs fit all sizes; use FPM or EPDM part number.
WARNING - If cover ever fails due to overpressurization or water-hammer failure, entire unit needs to be replaced. Failure to replace unit after water-hammer failure, or failure due to overpressurization could result in property damage, personal injury or even death.

PVC**

SIZE	NUT		SOCKET END CONN.		THREADED END CONN.		PORT CAPS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX11002	**$19.00**	SBX1EC5S	**$15.95**	SBX1EC5T	**$15.95**		
3/4"	TBX11002	**$19.00**	SBX1EC7S	**$17.75**	SBX1EC7T	**$17.75**	BSX1CAP1	**$30.40**
1"	TBX11002	**$19.00**	ECX11S	**$21.15**	ECX11T	**$21.15**		
1-1/4"	TBX122	**$34.00**	SBX1EC12S	**$49.90**	SBX1EC12T	**$49.05**		
1-1/2"	TBX122	**$34.00**	SBX1EC15S	**$40.80**	SBX1EC15T	**$40.80**	BSX1CAP2	**$39.30**
2"	TBX122	**$34.00**	ECX12S	**$44.35**	ECX12T	**$44.35**		
2-1/2"	BSX132	**$101.05**	SBX1EC25S	**$99.30**	SBX1EC25T	**$99.30**		
3"	BSX132	**$101.05**	SBX1EC3S	**$145.05**	SBX1EC3T	**$145.05**	BSX1CAP3	**$49.90**
4"	BSX142	**$102.20**	ECX14SBS	**$155.70**	ECX14TBS	**$155.70**		

** For Eastar® Spare Parts, refer to PVC.

CPVC

SIZE	NUT		SOCKET END CONN.		THREADED END CONN.		PORT CAPS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX91002	**$20.05**	SBX2EC5S	**$24.65**	SBX2EC5T	**$24.65**		
3/4"	TBX91002	**$20.05**	SBX2EC7S	**$26.95**	SBX2EC7T	**$26.95**	BSX2CAP1	**$37.15**
1"	TBX91002	**$20.05**	ECX91S	**$31.45**	ECX91T	**$31.45**		
1-1/4"	TBX922	**$50.40**	SBX2EC12S	**$53.40**	SBX2EC12T	**$53.40**		
1-1/2"	TBX922	**$50.40**	SBX2EC15S	**$67.40**	SBX2EC15T	**$67.40**	BSX2CAP2	**$48.60**
2"	TBX922	**$50.40**	ECX92S	**$65.85**	ECX92T	**$65.85**		
2-1/2"	BSX932	**$95.50**	SBX2EC25S	**$104.20**	SBX2EC25T	**$104.20**		
3"	BSX932	**$95.50**	SBX2EC3S	**$129.05**	SBX2EC3T	**$129.05**	BSX2CAP3	**$48.60**
4"	BSX942	**$128.65**	ECX94SBS	**$170.90**	ECX94TBS	**$170.90**		

DB SERIES BASKET STRAINERS SPARE PARTS
SPOOLS & VALVES

PVC FPM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX1100DP2	$664.30	LAX1100DP1	$553.70
3/4"				
1"				
1-1/4"	LAX1200DP2	$1,126.45	LAX1200DP1	$817.50
2"				
2-1/2"	LAX1300DP2	$2,339.55	LAX1300DP1	$1,683.10
3"				
4'	LAX1400DP2	$1,942.55	LAX1400DP1	$1,751.25

PVC EPDM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX1100DP2E	$633.00	LAX1100DP1E	$522.45
3/4"				
1"				
1-1/4"	LAX1200DP2E	$901.55	LAX1200DP1E	$609.55
2"				
2-1/2"	LAX1300DP2E	$2,284.75	LAX1300DP1E	$1,649.65
3"				
4'	LAX1400DP2E	$1,888.00	LAX1400DP1E	$1,700.20

PVC FPM AND EPDM

SIZE	STEM SLEEVE		SPOOL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	DSX11SLEEVE	$76.25	DBX112	$64.30
3/4"				
1"				
1-1/4"	DSX12SLEEVE	$86.80	DBX122	$87.80
2"				
2-1/2"	DSX13SLEEVE	$96.25	DBX132	$273.00
3"				
4'	DSX14SLEEVE	$157.30	--	--

CPVC FPM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX2100DP2	$739.25	LAX2100DP1	$611.50
3/4"				
1"				
1-1/4"	LAX2200DP2	$1,392.50	LAX2200DP1	$1,021.45
2"				
2-1/2"	LAX2300DP2	$2,488.40	LAX2300DP1	$2,088.55
3"				
4'	LAX2400DP2	$2,488.40	LAX2400DP1	$2,088.55

DB SERIES BASKET STRAINERS SPARE PARTS
SPOOLS & VALVES (cont.)

CPVC EPDM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX2100DP2E	$705.20	LAX2100DP1E	$581.20
3/4"				
1"				
1-1/4"	LAX2200DP2E	$1,439.65	LAX2200DP1E	$1,097.60
2"				
2-1/2"	LAX2300DP2E	$2,488.40	LAX2300DP1E	$2,088.55
3"				
4'	LAX2400DP2E	$2,488.40	LAX2400DP1E	$2,088.55

CPVC FPM AND EPDM

SIZE	STEM SLEEVE		SPOOL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	DSX91SLEEVE	$78.95	DBX212	$107.05
3/4"				
1"				
1-1/4"	DSX92SLEEVE	$84.55	DBX222	$121.90
2"				
2-1/2"	--	--	DBX232	$406.75
3"				

YS SERIES STRAINER PARTS

PVC AND CPVC

	CAP ONLY PVC		CAP ONLY CPVC	
SIZE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	YCX1005013	$28.70	YCX9005013	$40.60
3/4"	YCX1007513	$35.65	YCX9007513	$50.45
1"	YCX1010013	$45.75	YCX9010013	$67.35
1-1/4"	YCX1015013	$57.20	YCX9015013	$81.35
1-1/2"	YCX1015013	$57.20	YCX9015013	$81.35
2"	YCX1020013	$77.25	YCX9020013	$109.95
3"	YCX1030013	$147.40	YCX9030013	$210.05
4"	YCX1040013	$200.00	YCX9040013	$285.20

	CAP FPM O-RING		CAP EPDM O-RING	
SIZE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	ORX121V70	$15.20	ORX121E70	$12.25
3/4"	ORX128V70	$15.95	ORX128E70	$12.80
1"	ORX223V70	$17.00	ORX223E70	$13.70
1-1/4"	ORX229V70	$18.65	ORX229E70	$15.05
1-1/2"	ORX229V70	$18.65	ORX229E70	$15.05
2"	ORX234V70	$20.20	ORX234E70	$16.15
3"	ORX349V70	$40.70	ORX349E70	$32.60
4"	ORX357V70	$41.50	ORX357E70	$33.20

YS SERIES Y-STRAINER SCREENS

Each Y-Strainer purchased comes standard with a 1/32" perf thermoplastic screen. When ordering the Y-Strainer, if you wish to change the standard perf to another thermoplastic perf size, there will be NO ADDITIONAL CHARGE. If you wish to change the standard thermoplastic screen to a SSTL perf or mesh size screen, there will be an additional charge.

THERMOPLASTIC SCREENS

To replace or to order an extra thermoplastic screen, use table below.

PVC*				CPVC*		PTFE DIAMOND PERF FOR PVDF Y-STRAINER					
SIZE	PERF	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PERF	PART NO.	LIST PRICE	PERF	PART NO.	LIST PRICE
1/2"	1/32"	YSX1005022	$40.00	YSX2005022	$56.85	1/16"	YSXP005020	POA	3/32"	YSXP005014	POA
3/4"	1/32"	YSX1007522	$45.30	YSX2007522	$69.30	1/16"	YSXP007520	POA	3/32"	YSXP007514	POA
1"	1/32"	YSX1010022	$52.10	YSX2010022	$85.55	1/16"	YSXP010020	POA	3/32"	YSXP010014	POA
1-1/4"	1/32"	YSX1015022	$60.40	N/A	-	N/A	N/A	-	N/A	N/A	-
1-1/2"	1/32"	YSX1015022	$60.40	YSX2015022	$108.00	N/A	N/A	-	N/A	N/A	-
2"	1/32"	YSX1020022	$100.25	YSX2020022	$140.35	N/A	N/A	-	N/A	N/A	-
2-1/2"	1/32"	YSX1030022	$142.40	N/A	-	N/A	N/A	-	N/A	N/A	-
3"	1/32"	YSX1030022	$142.40	YSX2030022	$218.45	N/A	N/A	-	N/A	N/A	-
4"	1/32"	YSX1040022	$177.00	YSX2040022	$268.65	N/A	N/A	-	N/A	N/A	-

Note: YSXP() includes the fabric only. To order a new cartridge consult factory.
* For 1/16", 1/8" and 3/16" perf, consult factory for availability.

REPLACEMENT STAINLESS STEEL PERF SCREENS FOR PVC/CPVC YS STRAINERS

To replace or to order an extra SSTL perf screen, use table below.

316 STAINLESS STEEL			316 STAINLESS STEEL		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS70050XXX	$168.40	2"	YS70200XXX	$361.80
3/4"	YS70075XXX	$201.05	2-1/2"	YS70300XXX	$421.95
1"	YS70100XXX	$246.10	3"	YS70300XXX	$421.95
1-1/4"	YS70150XXX	$311.40	4"	YS70400XXX	$535.00
1-1/2"	YS70150XXX	$311.40			

SSTL screens are available in perfs of 1/32", 1/16", 1/8", 3/16", and 1/2". The 1/2" perf is offered ONLY on 1-1/2" & larger Y-Strainers. Substitute the perf size for the XXX in the part # table. (e.g., To choose 1/8" perf for a 1/2" y-strainer, the part # would be YS700501/8).

REPLACEMENT STAINLESS STEEL MESH SCREENS

To replace or to order an extra SSTL Mesh screen, use table below.

PVC W/ SSTL MESH			PVC W/ SSTL MESH			PVC W/ SSTL MESH		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS17050XXX	$204.15	1-1/4"	YS17150XXX	$363.35	3"	YS17300XXX	$549.75
3/4"	YS17075XXX	$241.35	1-1/2"	YS17150XXX	$363.35	4"	YS17400XXX	$694.15
1"	YS17100XXX	$291.05	2"	YS17200XXX	$450.30			
CPVC W/ SSTL MESH			CPVC W/ SSTL MESH			CPVC W/ SSTL MESH		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS27050XXX	$214.90	1-1/4"	YS27150XXX	$395.45	3"	YS27300XXX	$602.90
3/4"	YS27075XXX	$256.40	1-1/2"	YS27150XXX	$395.45	4"	YS27400XXX	$756.65
1"	YS27100XXX	$315.00	2"	YS27200XXX	$475.90			

SSTL Mesh screens are available in 20, 40, 60, 80 & 100. For other sizes, 200 & 325, consult factory. Substitute the mesh size for the XXX in the part # table. (e.g., To choose 20 mesh screen for a 1/2" y-strainer, the part # would be YS1705020).

FPM seals are standard. For EPDM, add "E" to the end of part number in table. List is same for EPDM.

SS Perf or Mesh screens for PVDF strainers please consult factory.

For Hastelloy C276, Titanium, or Monel perf or mesh cartridges on PVC, CPVC, or PVDF please consult factory.

FLV SERIES BAG FILTER HOUSING PARTS

GFPP FLV

DESCRIPTION	PART NO.	LIST PRICE
COVER KIT**	FLXV4P020202	**$750.55**
HINGED BASKET 16"ASSY*	FLXV4P010203VL	**$1,388.15**
HINGED BASKET 16" ONLY	FLXV4P1SBSK	**$872.40**
HINGED BASKET 32" ASSY*	FLXV4P020203VL	**$1,471.80**
SOLID BASKET 32" ASSY, FPM*	FLXV4P020203VHD	**$1,471.80**
SOLID BASKET 32" ASSY, EPDM*	FLXV4P020203EHD	**$1,471.80**
BASKET RING ASSY	FLXV4PBASKRING	**$552.75**
BAG RING FOR GFPP BASKET	FLXV4PBAGRING	**$133.40**
BAG RING FOR SS BASKET	FLXV4PBAGRINGM	**$133.40**
COVER O-RING	ORX449V70	**$128.15**
1-1/4" - 2" EPDM SEAL KIT	FLXVKITE1	**$273.55**
2-1/2" - 4" EPDM SEAL KIT	FLXVKITE2	**$276.30**
AIR RELIEF VALVE ASSY FPM	FLTVENT2	**$130.05**
AIR RELIEF VALVE ASSY EPDM	FLTVENT2E	**$130.05**

DESCRIPTION	PART NO.	LIST PRICE
1-1/4" - 2" FPM SEAL KIT	FLXVKITV1	**$286.00**
2-1/2" - 4" FPM SEAL KIT	FLXVKITV2	**$295.80**
2" GFPP PLTNM ASSY NUT	FLX4P22	**$39.15**
3" GFPP PLTNM ASSY NUT	BSXP32	**$93.20**
4" GFPP PLTNM ASSY NUT	BSXP42	**$112.65**
1-1/4" GFPP PLTNM THD END CONNECTOR	SBXPEC12T	**$46.05**
1-1/2" GFPP PLTNM THD END CONNECTOR	SBXPEC15T	**$46.05**
2" GFPP PLTNM THD END CONNECTOR	ECXP20T	**$46.10**
3" GFPP PLTNM THD END CONNECTOR	SBXPEC3T	**$130.10**
4" GFPP PLTNM THD END CONNECTOR	ECXP4TFLV	**$145.55**
SINGLE CART. O-RING REPAIR KIT***	CFXPAKV	**$102.50**

* Includes basket, handle, and o-ring.
** WARNING - If cover ever fails due to overpressurization or water-hammer failure, entire unit needs to be replaced. Failure to replace unit after water-hammer failure, or failure due to overpressurization could result in property damage, personal injury or even death.
*** Internal O-Rings only.

PVC & CPVC FLV SERIES BAG FILTER HOUSING PARTS

PVC

DESCRIPTION	PART NO.	LIST PRICE
COVER ASSY	FLX1211ASSY	**$489.90**
BAG RETAINER	FLX1BAGRET	**$204.75**
VENT VALVE ASSY	FL1VENTASSY	**$144.85**
BASKET 16"	FLX12BSKL	**$1,179.60**
BASKET 32"	FLX12BSK	**$1,242.40**
1-1/4" - 2" PVC ASSY NUT	TBX122	**$34.00**
2-1/2" - 3" PVC ASSY NUT	BSX132	**$101.05**
4" PVC ASSY NUT	BSX142	**$102.20**
1-1/4" PVC SOCKET END CONNECTOR	SBX1EC12S	**$49.90**
1-1/2" PVCSOCKET END CONNECTOR	SBX1EC15S	**$40.80**
2" PVC SOCKET END CONNECTOR	ECX12S	**$44.35**
2-1/2" PVC SOCKET END CONNECTOR	SBX1EC25S	**$99.30**
3" PVC SOCKET END CONNECTOR	SBX1EC3S	**$145.05**
4" PVC SOCKET END CONNECTOR	ECX14SBS	**$155.70**

CPVC

DESCRIPTION	PART NO.	LIST PRICE
COVER ASSY	FLX9211ASSY	**$558.85**
BAG RETAINER	FLX2BAGRET	**$601.50**
VENT VALVE ASSY	FL2VENTASSY	**$157.55**
BASKET 16"	FLX22BSKL	**$1,405.85**
BASKET 32"	FLX22BSK	**$1,861.10**
1-1/4" - 2" CPVC ASSY NUT	TBX922	**$50.40**
2-1/2" - 3" CPVC ASSY NUT	BSX932	**$95.50**
4" CPVC ASSY NUT	BSX942	**$128.65**
1-1/4" CPVC SOCKET END CONNECTOR	SBX2EC12S	**$53.40**
1-1/2" CPVC SOCKET END CONNECTOR	SBX2EC15S	**$67.40**
2" CPVC SOCKET END CONNECTOR	ECX92S	**$65.85**
2-1/2" CPVC SOCKET END CONNECTOR	SBX2EC25S	**$104.20**
3" CPVC SOCKET END CONNECTOR	SBX2EC3S	**$129.05**
4" CPVC SOCKET END CONNECTOR	ECX94SBS	**$170.90**

SEAL KITS FOR PVC & CPVC

DESCRIPTION	PART NO.	LIST PRICE
1-1/4" - 2" FPM SEAL KIT	FLXTKITV1	**$286.00**
2-1/2" - 4" FPM SEAL KIT	FLXTKITV2	**$293.10**
1-1/4" - 2" EPDM SEAL KIT	FLXTKITE1	**$273.55**
2-1/2" - 4" EPDM SEAL KIT	FLXTKITE2	**$276.30**

Z SERIES PARTS ACCESSORIES & PARTS

DESCRIPTION	PART NO.	LIST PRICE
Pump Head Assy PVDF FPM w/ Cer Ball Valve Sz 100 200	ZXXPH5100200	**$533.85**
Pump Head Assy PVDF FPM w/ Cer Ball Valve Sz 500	ZXXPH5500	**$634.75**
Valve Assy PVDF FPM FPM w/ Cer Ball Valve Sz 100 200	ZXXVA5100200	**$367.15**
Valve Assy PVDF FPM FPM w/ Cer Ball Valve Sz 500	ZXXVA5500	**$434.35**
Diaphragm PTFE Sz 100 200	ZXXDP100200	**$67.30**
Diaphragm PTFE Sz 500	ZXXDP500	**$133.20**
Front Panel Lid Sz 100 200 500	ZXXFP100200500	**$33.70**
Wiring Terminal Block ZMA Sz 100 200 500	ZMXAWT100200500	**$66.00**
Wiring Terminal Block ZPD ZPA Sz 100 200 500	ZPXXWT100200500	**$74.00**
Wiring Terminal Block ZRD Sz 100 200 500	ZRXDWT100200500	**$74.00**
Mounting Bracket	ZXXMT100200500	**$83.45**
Complete Solenoid Sz 100	ZXXCS100	**$317.40**
Complete Solenoid Sz 200	ZXXCS200	**$484.05**
Complete Solenoid Sz 500	ZXXCS500	**$500.35**
Analog Circuit 100-240VAC ZMA Sz 100	ZMXAAC100	**$367.15**
Analog Circuit 100-240VAC ZMA Sz 200	ZMXAAC200	**$384.60**
Analog Circuit 100-240VAC ZMA Sz 500	ZMXAAC500	**$400.70**
Digital Circuit 100-240VAC ZPD Sz 100	ZPXDDC100	**$868.65**
Digital Circuit 100-240VAC ZPD Sz 200	ZPXDDC200	**$902.30**
Digital Circuit 100-240VAC ZPD Sz 500	ZPXDDC500	**$935.80**
Digital Circuit 100-240VAC ZPA Sz 100	ZPXADC100	**$521.70**
Digital Circuit 100-240VAC ZPA Sz200	ZPXADC200	**$541.95**
Digital Circuit 100-240VAC ZPA Sz 500	ZPXADC500	**$582.15**
Digital Circuit 100-240VAC ZRP Sz 100	ZRXPDC100	**$989.65**
Digital Circuit 100-240VAC ZRP Sz 200	ZRXPDC200	**$1,016.50**
Digital Circuit 100-240VAC ZRP Sz 500	ZRXPDC500	**$1,068.95**
Foot Filter Kit PVDF FPM 100 200 1 Pc	ZXX5FFK100200	**$166.80**
Foot Filter Kit PVDF FPM 500 1 Pc	ZXX5FFK500	**$166.80**
Injection Valve Kit PVDF FPM 100 200 1 Pc	ZXX5IVK100200	**$234.05**
Injection Valve Kit PVDF FPM 500 1 Pc	ZXX5IVK500	**$234.05**
Kit Fittings PVDF 100 200 10 Pc	ZXX5KF100200	**$234.05**
Kit Fittings PVDF 500 10 Pc	ZXX5KF500	**$333.45**
Flow Switch	ZFS500	**$347.65**
Level Switch	ZLS500	**$53.85**

LIFESTAR® AQUATIC PUMP SPARE PARTS

DESCRIPTION	PART NUMBER	LIST PRICE
True Union Connector Kit	1AX3SE-SUNKIT	**$39.95**
True Union EPDM Gasket 2 PCS	1AX3SESUG	**$10.80**
Strainer Cover Kit	1AX3SESDLS	**$68.55**
O-Ring Strainer Cover	1AX3SESS	**$12.00**
Strainer Basket	1AX3SESM	**$29.15**
Diffuser Screw	1AX3SESZ8	**$3.35**
Diffuser	1AX3SESB3	**$34.80**
Impeller Screw	1AX3SESZ1	**$12.55**
1/2 HP Impeller with screw	1AX3SES05C	**$167.25**
3/4 HP Impeller with screw	1AX3SES07C	**$167.25**
1 HP Impeller with screw	1AX3SES10C	**$167.25**
1-1/2 HP Impeller with screw	1AX3SES15C	**$167.25**

DESCRIPTION	PART NUMBER	LIST PRICE
2 HP Impeller with screw	1AX3SES20C	**$167.25**
3 HP Impeller with screw	1AX3SES30C	**$167.25**
5 HP Impeller with screw	1AX3SES50C	**$167.25**
Shaft Seal Assembly Silicon Carbide/Silicon Carbide	1AX3SESSA	**$180.05**
Housing O-Ring	1AX3SEST	**$9.15**
Seal Plate	1AX3SESE	**$44.10**
Housing Insert and Seal Plate Kit	1AX3SESZ211	**$20.20**
Housing Bolt	1AX3SESZ3	**$3.75**
Motor Bolt	1AX3SESZ5	**$3.75**
Motor Support Bracket	1AX3SESGA	**$34.90**
Short Riser Base	1AX3SESWF	**$33.30**
Tall Riser Base	1AX3SESSR	**$31.65**

R SERIES PARTS

DESCRIPTION	QUANTITY	FOR MODEL NO.	PART NO.	LIST PRICE
PUMPS				
Bracket, NEMA	1	RX05 - RX50	1MXBR	**$566.60**
Bushing (Carbon) - option	1	RX05 - RX50	1MXBCAR	**$444.95**
Bushing (Ceramic) - option	1	RX05 - RX50	1MXBCER	**$504.20**
Bushing (PTFE) - standard	1	RX05 - RX50	1MXBTEF	**$256.85**
Cap Screw Set for Pump Base	4	RX05 - RX30	SCR83KIT	**$53.35**
Cap Screw Set for Pump Base	4	RX50	SCR135KIT	**$69.15**
Cap Screw Set for Rear Casing Support	6	RX05 - RX50	SCR111KIT	**$53.35**
Casing- Front (CFR PVDF)	1	RC03	1MX7FC03	**$504.20**
Casing- Front (CFR PVDF)	1	RX05,RX07	1MX7FC07	**$638.75**
Casing- Front (CFR PVDF)	1	RX10	1MX7FC10	**$698.05**
Casing- Front (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7FC25	**$1,058.30**
Casing- Front (GFPP)	1	RC03	1MX3FC03	**$319.55**
Casing- Front (GFPP)	1	RX05,RX07	1MX3FC07	**$381.95**
Casing- Front (GFPP)	1	RX10	1MX3FC10	**$416.60**
Casing- Front (GFPP)	1	RX15,RX20,RX30,RX50	1MX3FC25	**$638.75**
Casing-Rear with shaft (CFR PVDF)	1	RC03	1MX7RC03	**$504.20**
Casing-Rear (CFR PVDF)	1	RX05,RX07	1MX7RC07	**$444.95**
Casing-Rear (CFR PVDF)	1	RX10	1MX7RC10	**$504.20**
Casing-Rear (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7RC25	**$867.35**
Casing-Rear with shaft (GFPP)	1	RC03	1MX3RC03	**$381.95**
Casing-Rear (GFPP)	1	RX05,RX07	1MX3RC07	**$184.95**
Casing-Rear (GFPP)	1	RX10	1MX3RC10	**$203.80**
Casing-Rear (GFPP)	1	RX15,RX20,RX30,RX50	1MX3RC25	**$698.05**
Casing Support -Rear	1	RX05,RX07	1MXCS07	**$228.90**
Casing Support -Rear	1	RX10	1MXCS10	**$228.90**

Consult Hayward for ETFE parts and pricing.

R SERIES PARTS (cont.)

DESCRIPTION	QUANTITY	FOR MODEL NO.	PART NO.	LIST PRICE
Casing Support -Rear	1	RX15,RX20,RX30,RX50	1MXCS25	**$381.95**
Flange Kit (GFPP)	1	RX05,RX07,RX10	1MX3FK1.5	**$419.70**
Flange Kit (GFPP)	1	RX15,RX20,RX30,RX50	1MX3FK2.0	**$519.80**
Flange Kit (CFR PVDF)	1	RX05,RX07,RX10	1MX7FK1.5	**$801.55**
Flange Kit (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7FK2.0	**$933.25**
Hex Bolt Set for Casing	6	RC03	SCR130KIT	**$53.35**
Hex Bolt Set for Casing	6	RX05,RX07	SCR13126KIT	**$53.35**
Hex Bolt Set for Casing	8	RX10	SCR13128KIT	**$69.15**
Hex Bolt Set for Casing	8	RX15,RX20,RX30,RX50	SCR1334KIT	**$84.85**
IMPELLERS				
Impeller with integral bushing (GFPP)	1	RC03	1MX303	**$319.55**
Impeller (GFPP)	1	RX05	1MX305	**$453.85**
Impeller (GFPP)	1	RX07	1MX307	**$475.95**
Impeller (GFPP)	1	RX10	1MX310	**$504.20**
Impeller (GFPP)	1	RX15	1MX315	**$1,728.85**
Impeller (GFPP)	1	RX20,RX30	1MX320	**$1,809.15**
Impeller (GFPP)	1	RX50	1MX350	**$2,854.75**
Impeller with integral bushing (PVDF)	1	RC03	1MX703	**$566.60**
Impeller (PVDF)	1	RX05	1MX705	**$710.70**
Impeller (PVDF)	1	RX07	1MX707	**$732.85**
Impeller (PVDF)	1	RX10	1MX710	**$764.20**
Impeller (PVDF)	1	RX15	1MX715	**$2,078.20**
Impeller (PVDF)	1	RX20,RX30	1MX723	**$2,163.10**
Impeller (PVDF)	1	RX50	1MX750	**$3,299.45**
MOTORS				
Motor (1 Phase) - standard	1	RC03	1MXMT03-1	**$1,208.85**
Motor (3 Phase)	1	RC03	1MXMT03-3	**$1,014.30**
Motor Mounting Plate	1	RX50	1MXMP50	**$504.20**
SEALS				
Mouth Ring (PTFE)	1	RX05,RX07	1MXMR07	**$84.85**
Mouth Ring (PTFE)	1	RX10	1MXMR10	**$84.85**
Mouth Ring (PTFE)	1	RX15,RX20,RX30,RX50	1MXMR25	**$84.85**
O-ring for 1-1/2" Flange (EPDM) - option	1	RX05 - RX50	ORX129E70	**$25.55**
O-ring for 1-1/2" Flange (FPM) - standard	1	RX05 - RX50	ORX129V70	**$31.15**
O-ring for 2" Flange (EPDM) - option	1	RX15,RX20,RX30,RX50	ORX136E70	**$31.15**
O-ring for 2" Flange (FPM) - standard	1	RX15,RX20,RX30,RX50	ORX136V70	**$36.50**
O-ring for Casing (EPDM) - option	1	RC03	ORX156E70	**$40.80**
O-ring for Casing (EPDM) - option	1	RX05,RX07	ORX357E70	**$33.20**
O-ring for Casing (EPDM) - option	1	RX10	ORX362E70	**$59.30**
O-ring for Casing (EPDM) - option	1	RX15,RX20,RX30,RX50	ORX365E70	**$56.35**
O-ring for Casing (FPM) - standard	1	RC03	ORX156V70	**$53.40**
O-ring for Casing (FPM) - standard	1	RX05,RX07	ORX357V70	**$41.50**
O-ring for Casing (FPM) - standard	1	RX10	ORX362V70	**$81.25**
O-ring for Casing (FPM) - standard	1	RX15,RX20,RX30,RX50	ORX365V70	**$168.30**
PUMPS				
Outer Magnet	1	RC03	1MXMG03	**$504.20**
Outer Magnet	1	RX05,RX07,RX10	1MXMG071	**$889.45**
Outer Magnet	1	RX15,RX20,RX30	1MXMG23	**$2,207.05**
Outer Magnet	1	RX50	1MXMG50	**$2,849.00**
Pump Base	1	RX05,RX07	1MXPB07	**$84.85**
Pump Base	1	RX10	1MXPB10	**$128.50**
Pump Base	1	RX15,RX20,RX30	1MXPB23	**$203.80**
Pump Base	1	RX50	1MXPB50	**$588.60**
Shaft Support	1	RX10	1MXSS10	**$203.80**
Shaft Support	1	RX15,RX20,RX30,RX50	1MXSS25	**$253.65**

T SERIES PARTS

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
IMPELLER KITS			
IMPELLER KIT (CPVC) MODEL T2 FOR 1 & 3 PHASE	T2	1T2IMPKIT	**$525.70**
IMPELLER KIT (CPVC) MODEL T4 FOR 1 & 3 PHASE	T4	1T4IMPKIT	**$953.35**
IMPELLER KIT (CPVC) MODEL T5 FOR 1 & 3 PHASE	T5	1T5IMPKIT	**$953.35**
IMPELLER KIT (CPVC) MODEL T6 FOR 1 & 3 PHASE	T6	1T6IMPKIT	**$953.35**
IMPELLER KIT (CPVC) MODEL T7 FOR 1 & 3 PHASE	T7	1T7IMPKIT	**$953.35**
IMPELLER KIT (CPVC) MODEL T8 FOR 1 & 3 PHASE	T8	1T8IMPKIT	**$1,027.15**
PUMP HEAD KITS			
PUMP HEAD KIT (CPVC) MODEL T2 FOR 1 & 3 PHASE	T2	1T2PHKIT	**$1,515.55**
PUMP HEAD KIT (CPVC) MODEL T4 FOR 1 & 3 PHASE	T4	1T4PHKIT	**$1,679.50**
PUMP HEAD KIT (CPVC) MODEL T5 FOR 1 & 3 PHASE	T5	1T5PHKIT	**$1,679.50**
PUMP HEAD KIT (CPVC) MODEL T6 FOR 1 & 3 PHASE	T6	1T6PHKIT	**$1,679.50**
PUMP HEAD KIT (CPVC) MODEL T7 FOR 1 & 3 PHASE	T7	1T7PHKIT	**$1,679.50**
PUMP HEAD KIT (CPVC) MODEL T8 FOR 1 & 3 PHASE	T8	1T8PHKIT	**$1,679.50**

* GFPP and PVDF spare parts available upon request.

D & S SERIES PARTS

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
IMPELLERS			
IMPELLER (CPVC)	S4	PK912	**$659.05**
IMPELLER (PVDF)	S4	PK912-2	**$848.40**
IMPELLER (PP)	S4	PK912-3	**$617.70**
IMPELLER (CPVC)	SS1	16FA00916	**$220.35**
IMPELLER (PVDF)	SS1	16FA2-916	**$334.65**
IMPELLER (PP)	SS1	16FA3-916	**$217.30**
IMPELLER	SS1	16FA6-916	**$241.40**
IMPELLER (CPVC)	DD1	16FA00925	**$220.35**
IMPELLER (PVDF)	DD1	16FA2-0925	**$334.65**
IMPELLER	DD1	16FA6-0925	**$241.40**
IMPELLER (CPVC)	D1	16FA01025	**$220.35**
IMPELLER (PVDF)	D1	16FA2-1025	**$334.65**
IMPELLER	D1	16FA6-1025	**$241.40**
IMPELLER (CPVC)	S1	16FA01070	**$196.30**
IMPELLER (PVDF)	S1	16F2-1070	**$313.65**
IMPELLER (PP)	S1	16F3-1070	**$196.30**
IMPELLER	S1	16F6-1070	**$217.30**
IMPELLER (CPVC)	S2	16FA01072	**$271.50**
IMPELLER (PVDF)	S2	16F2-1072	**$376.75**
IMPELLER (PP)	S2	16F3-1072	**$307.60**
IMPELLER KIT (CPVC)	S8	PK1078	**$669.30**
IMPELLER KIT (PVDF)	S8	PK1078-2	**$825.90**
IMPELLER KIT (PP)	S8	PK1078-3	**$916.80**
IMPELLER KIT (CPVC)	SS6	PK1078F	**$687.30**
IMPELLER KIT (PVDF)	SS6	PK1078F-2	**$844.10**
IMPELLER KIT (PP)	SS6	PK1078F-3	**$766.00**
IMPELLER KIT (CPVC)	SS7	PK1078G	**$687.30**
IMPELLER KIT (PVDF)	SS7	PK1078G-2	**$844.10**
IMPELLER KIT (PP)	SS7	PK1078G-3	**$766.00**
IMPELLER KIT (CPVC)	S5	PK1089	**$548.30**
IMPELLER KIT (PVDF)	S5	PK1089-2	**$865.00**
IMPELLER KIT (PP)	S5	PK1089-3	**$590.95**
IMPELLER KIT (CPVC)	S16	PK1091	**$1,139.10**
IMPELLER KIT (CPVC)	S12	PK1092	**$1,021.45**
IMPELLER KIT (CPVC)	S12	PK1092-45	**$1,039.90**

D & S SERIES PARTS (cont.)

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
IMPELLERS			
MOUNTING PLATE	S2,S4,S5,S8	16FA02173	**$355.80**
IMPELLER SCREW (CPVC)	S4,S5	16FA02539	**$33.40**
IMPELLER SCREW (PVDF)	S4,S5	16F2-2539	**$66.60**
IMPELLER SCREW (PP)	S4,S5	16F3-2539	**$42.30**
IMPELLER SCREW (CPVC)	S8,SS6,SS7	16FA02546	**$42.30**
IMPELLER SCREW (PVDF)	S8,SS7,SS6	16F2-2546	**$66.60**
IMPELLER SCREW (PP)	S8,SS7,SS6	16F3-2546	**$42.30**
IMPELLER SCREW (CPVC)	S12,S16	16FA02548	**$66.60**
PUMP BODIES			
BODY (CPVC)	S1	16FA04604	**$280.45**
BODY (PVDF)	S1	16F2-4604	**$548.30**
BODY (PP)	S1	16F6-4604	**$313.60**
END COVER (CPVC)	S1	16FA04605	**$105.70**
END COVER (PVDF)	S1	16F2-4605	**$120.70**
END COVER	S1	16F6-4605	**$105.70**
RETAINER (CPVC)	S2,SS1,DD1	16FA04613	**$36.40**
RETAINER (PVDF)	S2,SS1,DD1	16F2-4613	**$72.60**
RETAINER (PP)	S2,SS1	16F3-4613	**$42.30**
RETAINER	SS1,DD1	16F6-4613	**$42.30**
END COVER (CPVC)	S2,SS1,DD1	16FA04615	**$117.80**
END COVER (PVDF)	S2,SS1,DD1	16F2-4615	**$156.90**
END COVER (PP)	S2,SS1	16F3-4615	**$117.80**
END COVER	SS1,DD1	16F6-4615	**$117.80**
RETAINER (CPVC)	S6,SS7,S8	16FA04623	**$39.45**
RETAINER (PVDF)	S8,SS6, SS7	16F2-4623	**$72.60**
RETAINER (PP)	S8,SS6,SS7	16F3-4623	**$51.35**
END COVER (CPVC)	S8,SS6,SS7	16FA04625	**$199.05**
END COVER (PVDF)	S8,SS6,SS7	16F2-4625	**$334.65**
END COVER (PP)	S8,SS6,SS7	16F3-4625	**$235.45**
RETAINER (CPVC)	S12	16FA04633	**$51.35**
RETAINER (CPVC)	S4,S5	16FA04643	**$33.40**
RETAINER (PVDF)	S4, S5	16F2-4643	**$51.35**
RETAINER (PP)	S4, S5	16F3-4643	**$39.45**
END COVER (CPVC)	S4, S5	16FA04645	**$156.90**
END COVER (PVDF)	S4, S5	16F2-4645	**$355.80**
END COVER (PP)	S4, S5	16F3-4645	**$208.05**
BODY (CPVC)	S2	16FA84654	**$376.75**
BODY (PVDF)	S2	16FA24654	**$548.30**
BODY (PP)	S2	16FA34654	**$391.95**
SHAFT ASSEMBLY	S4,S5,S8	4657	**$467.20**
BODY (CPVC)	S8,SS6,SS7	16FA84664	**$787.05**
BODY (PVDF)	S8,SS6,SS7	16FA24664	**$1,070.05**
BODY (PP)	S8,SS6,SS7	16FA34664	**$825.90**
SHAFT ASSEMBLY	S2	4677	**$355.80**
PUMP BODY (CPVC)	S4,S5	16FA85084	**$750.45**
BODY (PVDF)	S4,S5	16FA25084	**$1,021.45**
BODY (PP)	S4,S5	16FA35084	**$787.05**
END COVER (CPVC)	S12	5095	**$596.70**
SUPPORT BRACKET	S12	16FA05098	**$313.60**
BODY (CPVC)	S16	13RP05103	**$1,804.80**
BODY ASSEMBLY (CPVC)	S16	16FA05104	**$3,423.80**
END COVER (CPVC)	S16	16FA05105	**$1,413.75**
SHAFT ASSEMBLY	S16	5107	**$684.00**
SUPPORT BRACKET	S16	16FA05108	**$355.80**
RETAINING RING (CPVC)	S16	16FA05109	**$144.90**
BODY ASSEMBLY (CPVC)	S12	16FA05134	**$2,456.60**
FLANGE ASSEMBLY (CPVC)	S12	16FA05135	**$1,431.70**
BODY LESS FLANGE (CPVC)	S12	16FA05136	**$1,100.40**
SHAFT	S12	5137	**$626.95**
FLANGE ASSEMBLY (CPVC)	S16	13RP05145	**$1,835.90**

D & S SERIES PARTS (cont.)

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
PUMP BODIES			
FLANGE ASSEMBLY (CPVC)	S16	13RP05565	**$1,847.20**
MOUNTING BRACKET	S16	16FA05568	**$434.15**
BODY (CPVC)	SS1	16FA06014	**$391.95**
BODY (PVDF)	SS1	16F2-6014	**$548.30**
BODY	SS1	16F6-6014	**$452.35**
BODY (CPVC)	DD1	16FA06025	**$391.95**
BODY (PVDF)	DD1	16F2-6025	**$548.30**
BODY	DD1	16F6-6025	**$452.20**
SEALS & HARDWARE			
O-RING	S2	16FV6-112	**$24.30**
SHAFT O-RING	S4-S8	16FV6-314	**$39.45**
O-RING	S12	16FV6-317	**$66.60**
O-RING	S16	16FV6-322	**$72.60**
O-RING	S1	16FV6-326	**$54.45**
O-RING	S2	16FV6-330	**$66.60**
O-RING	S4,S5	16FV6-335	**$66.60**
O-RING	S8,SS6,SS7	16FV6-341	**$90.75**
O-RING	S12	16FV6-432	**$208.05**
O-RING	S16	16FV6-438	**$271.50**
FUME SEAL (PTFE) (WAS F29-8)	S12	U29-138	**$144.90**
FUME SEAL (PTFE) (WAS F29-9)	S16	U29-188	**$144.90**
FUME SEAL (PTFE) (WAS F29-29)	SS1,S1	U29-038	**$15.30**
FUME SEAL (PTFE)	DD1,D1	U29-050	**$18.40**
FUME SEAL (PTFE) (WAS F29-11)	S2-S8,SS6,SS7	U29-112	**$36.40**
BOLT (REPLACES 4-162)	DD1	U30-489SS	**$3.45**
SCREW (REPLACES 1-28)	S16	U30-886SS	**$6.25**
SCREW (REPLACES 4-31)	S1	U30-889SS	**$6.25**
SCREW (REPLACES 4.43)	S1-S8	U30-893SS	**$9.30**
SCREW (REPLACES 4-103)	S5	U30-896ZP1	**$12.40**
SCREW (REPLACES 4-104)	S16,S12	U30-897ZP1	**$12.40**
SCREW (REPLACES 4-107)	S1	U30-898ZP1	**$9.30**
SCREW (REPLACES 4.43)	S1-S8	U30-893SS	**$9.30**
SCREW (REPLACES 4-103)	S5	U30-896ZP1	**$12.40**
SCREW (REPLACES 4-104)	S16,S12	U30-897ZP1	**$12.40**
SCREW (REPLACES 4-107)	S1	U30-898ZP1	**$9.30**
SCREW (REPLACES 4-110)	S12,S16	U30-902SS	**$18.40**
WASHER	D1,DD1	U43-16SS	**$9.30**
WASHER	D1,DD4	U43-43SS	**$9.30**
WASHER (REPLACES 1-21)	S2-S16	U43-62SS	**$3.45**
WASHER	S1,SS1	U43-123SS	**$9.30**

BFA/BFAS BULKHEAD FITTING GASKETS

Gaskets shown below will fit the BF/BFA/BFAS Series. BF Series Bulkhead Fittings (DISCONTINUED) have separate sizes for 1-1/4" & 1-1/2" ***ONLY****.*

STANDARD FLANGE

SIZE	FPM GASKETS		EPDM GASKETS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	BFXAGST005F	$17.90	BFXAGST005E	$4.45
3/4"	BFXAGST007F	$19.35	BFXAGST007E	$4.45
1"	BFXAGST010F	$22.35	BFXAGST010E	$5.80
1-1/4"*	BFXAGST015F	$22.35	BFXAGST015E	$5.80
1-1/2"*	BFXAGST015F	$22.35	BFXAGST015E	$5.80
2"	BFXAGST020F	$48.95	BFXAGST020E	$10.90
3"	BFXAGST030F	$63.75	BFXAGST030E	$13.65
4"	BFXAGST040F	$229.70	BFXAGST040E	$48.65
6"	BFXAGST060F	$244.25	BFXAGST060E	$51.80

* Fits BFA/BFAS Series ONLY.

LARGE FLANGE

SIZE	FPM GASKETS		EPDM GASKETS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	BFXAGST005FL	$19.60	BFXAGST005EL	$4.90
3/4"	BFXAGST007FL	$21.05	BFXAGST007EL	$4.90
1"	BFXAGST010FL	$24.30	BFXAGST010EL	$6.30

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TERMS AND CONDITIONS OF SALE

1. **SHIPMENTS:** All shipments are F.O.B. Shipping Point. Unless specified, Hayward will use a carrier we believe best able to serve you. Hayward shall not be liable for failure to deliver or delays in delivering occasioned by acts of God, war, labor difficulties, inability to obtain materials or any other causes whatsoever beyond our control.

2. **CLAIMS:** All claims must be made in writing and received by Hayward within 10 days after receipt of merchandise. If a shipment is received in a damaged condition, a claim must be filed with the delivering carrier and noted on the freight bill before you accept the merchandise.

3. **THREE YEAR WARRANTY:** All products manufactured by Hayward are warranted against defects in material or workmanship for a period of three years from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product or any part or parts thereof found to be defective. **HAYWARD MAKES NO OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty set forth above is the only warranty applicable to Hayward products and in no event shall Hayward be liable for any delay, work stoppage, cartage, shipping, loss of use of equipment, loss of time, inconvenience, loss of profits of any direct or indirect incidental resulting from or attributable to a breach of warranty. **The remedies under this warranty shall be the only remedies available. OUR MAXIMUM LIABILITY SHALL NOT IN ANY EVENT EXCEED THE CONTRACT PRICE FOR THE PRODUCT.**

4. **RETURNS OF GOODS FOR NON-WARRANTY CLAIM:** Hayward Flow Control will authorize the return of products purchased within the last twelve (12) months in original “like new” packaging of current design, and listed in the current Complete Price Book. All returns must be accompanied by a “Return Goods Authorization” number, which must be obtained from Hayward Flow Control prior to shipment. All returns are subject to inspection upon receipt. No credit will be issued until the returned material has been inspected, accepted and processed. Customers will be contacted if quantity differences and/or non-acceptable material are found during inspection. Credit will reflect only quantities actually received and accepted. Disposition of product(s) not accepted by Hayward Flow Control must be provided by Distributor within 10 business days; otherwise, it will be subject to disposal. Minimum restock charge is $50.00. All material returns must be received within thirty (30) days of the RGA issuance and shipped freight prepaid. No collect shipments will be accepted. Prepaid freight does not apply to returns due to Hayward Flow Control order entry or shipping errors. Hayward Flow Control will authorize the return of product considered a stock item with a minimum restock charge of 25%. Hayward Flow Control will authorize the return of standard Pump or Actuated product with a minimum restock charge of 40%. Specialty products such as Strainer or Filtration assemblies and Engineered Products are non-cancelable/non-returnable. Restock charges do not apply to returns due to Hayward Flow Control order entry or shipping errors.

5. **RETURNS OF GOODS FOR WARRANTY CLAIM:** When requesting an RGA for product evaluation, the Customer must first complete and submit an In Service Form obtained from Hayward Flow Control Technical Services. Additionally, a Safety Data Sheet (SDS) must be submitted along with the In Service Form to Technical Services prior to receiving a Return Goods Authorization number. All Warranty Claim returns must be accompanied by the SDS, In Service Form and RGA number. Product must be washed and free of service media prior to returning for evaluation. Failure to do so may result in denial of claim and product returned back freight collect. Customers will be contacted if quantity differences and/or non-acceptable material are found during inspection. The Customer will be notified of the evaluation results. If the Warranty Claim is accepted, credit will be issued or replacement product sent. Freight will be credited upon approval of claim. If the Warranty Claim is declined, disposition of product(s) must be provided to Technical Services within 30 business days; otherwise, it will be subject to disposal. Rejected product returned to the Customer will ship freight collect. All warranty claim returns must be received within thirty (30) days of the RGA issuance and shipped freight prepaid. No collect shipments will be accepted.

6. **CANCELLATIONS:** Canceled orders will be subject to a charge of 30%.

7. **TERMS:** Net 30 days. A 1-1/2% per month service charge, subject to applicable law, will be applied to all past due invoices. You shall be liable for reasonable attorneys’ fees incurred by us in collecting any past due invoices.

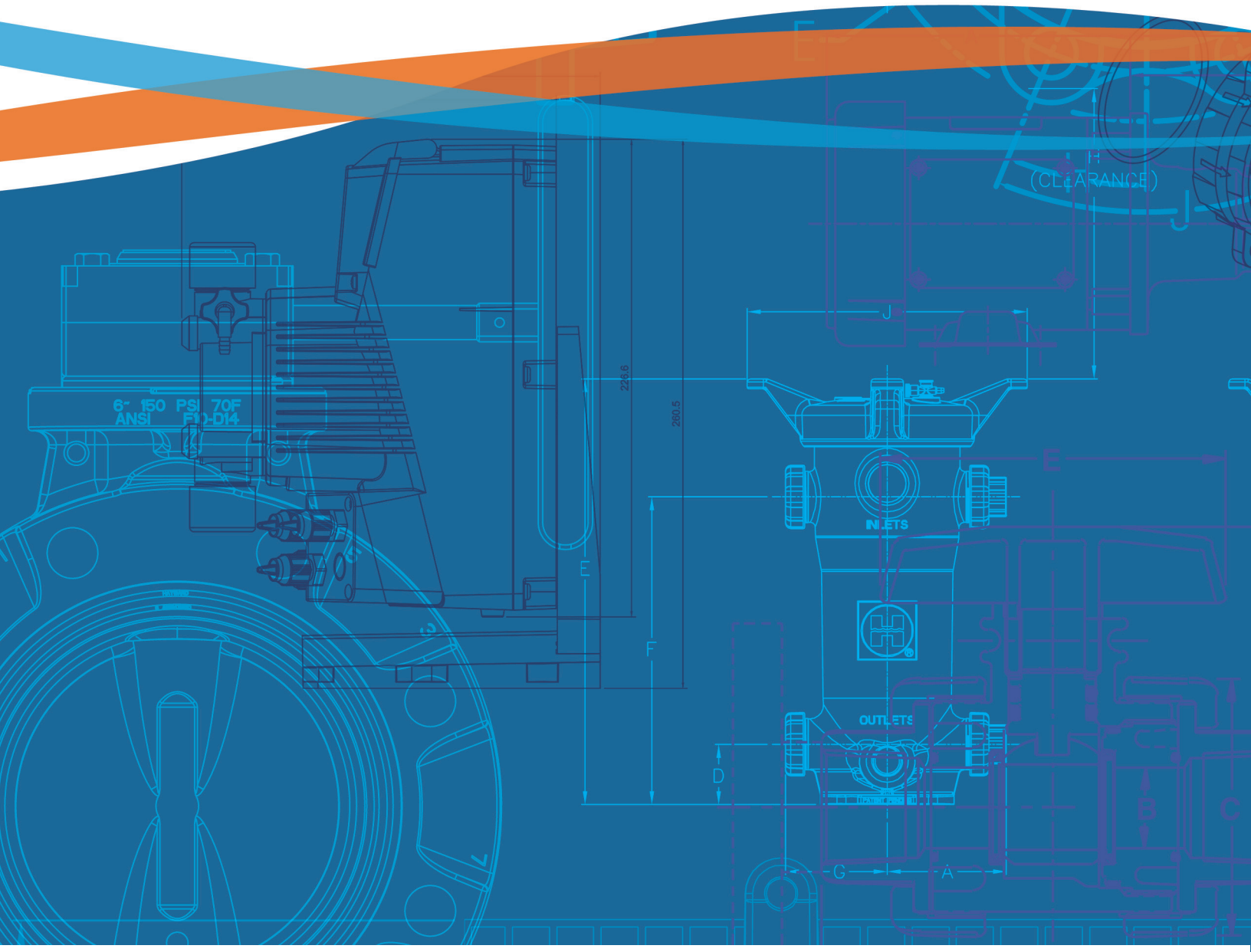
8. **TAX:** Any Federal or State Excise or Sales Tax for which we may be liable on any sale will be charged to and paid by the buyer. Buyer is responsible for furnishing tax exempt or resale certificate.

9. **FREIGHT ALLOWANCE:** Freight cost will be allowed on orders with a net billing of $2,000.00 (US Dollars) or more, with our choice of carrier, in the continental United States with the exception of Alaska.

10. **MINIMUM BILLING CHARGE:** $100.00 net.

11. **PRICING:** Pricing and specifications of products are subject to change without notice. All orders are subject to prior sale and credit approval.

12. **GENERAL:** Any sale shall be governed by the laws of the State of New Jersey (without regard to its conflict of laws rules). Any representation, promise, modification or amendment of these Terms and Conditions of Sale shall not be binding upon us unless in writing and signed on our behalf by a duly authorized representative. The foregoing terms and conditions shall prevail notwithstanding any variance with the terms and conditions of any order submitted by you, unless Hayward expressly consents in writing to such a variance. The terms and conditions are non-transferable to other parties.



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