A revolutionary and patent pending designed PVC compression fitting that provides a constant load on the gasket of the bulkhead fitting to overcome, and compensate for tank wall expansion/contraction due to changes in temperature and/or pressure within the tank. The Tank-Tite™ also improves the same time a compact load on the bulkhead fitting which reduces the possibility of loosening the nut due to vibration within the system.

**KEY FEATURES**

- Robust PVC Upper and Lower Body Construction
- Stainless Steel Wave Spring
- Rated to 150 PSI
- Fits with Hayward BFA Series Bulkhead Fittings

**MATERIALS**

- PVC Cell Class 12454 per ASTM D1784
- 17-7 PH Stainless Steel

**DIMENSIONS – INCHES / MILLIMETERS**

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<tr>
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<th>C (in)</th>
<th>D (in)</th>
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<td>.90  / 23</td>
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**TECHNICAL INFORMATION**

**VACUUM BREAKER COMPACT – PVC**

**KEY FEATURES**

- PVC Body with PTFM Membrane
- Prevents Vacuum Build Up during Tank or Pipeline Draining
- Eliminates Spattering
- Quick, Easy Drainage to 30 GPM
- Radii Venting of Tanks and Piping Systems
- Easy Installation
- No Metal Parts to Stick or Jam
- Can be Fitted to 1-1/2” BFA Series Bulkhead Fitting Only

**3/4” PVC – TRUE UNION AIR RELEASE VALVES**

**KEY FEATURES**

- Vent up to 150 GPM
- PTFM or EPDM Seals
- Class at 2 PSI
- Hollow PTFM Ball
- Full Thermoplastic – No Connection or Sticking
- Two Sizes of Shell Connectors and Screen

**BY SERIES BUTTERFLY VALVES**

**KEY FEATURES**

- Rated to 150 PSI for all Size
- Optional G115 Upgrade
- SST Stainless Steel Shaft
- Pneumatic or Electric Actuator
- Dual Seal Option
- Steam Valves Available
- Stem Extenders
**BFAS Series Bulkhead Fittings – Standard Flange**

1/2” to 4” PVC, CPVC and PP – SHORT PATTERN

**NEW**

**TECHNICAL INFORMATION**

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**OPTIONS**

- **Ready Flanges for Making Flanged Connections to Tanks**
- **Flexible Gaskets**

**BFA Series Bulkhead Fittings – Standard Flange**

1/2” to 6” PVC, CPVC and PP – LONG PATTERN

**TECHNICAL INFORMATION**

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**OPTIONS**

- **Gasket Seals**
  - **FPM or EPDM**
  - **PP**
  - **CPVC**

**BFAS Series Bulkhead Fittings – Overized Flange**

1/2” to 6” PVC, CPVC and PP – LONG PATTERN

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**OPTIONS**

- **Flexible Gaskets**
  - **FPM**
  - **EPDM**

**TYPICAL APPLICATIONS**

- **Chemical Processing**
- **Food and Beverage**
- **Petroleum, Paints and Related**
- **Marine and Corrosive Environments**

**BFAS Series Bulkhead Fittings – Standard Flange**

1/2” to 4” PVC, CPVC and PP – SHORT PATTERN

**TECHNICAL INFORMATION**

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**OPTIONS**

- **Ready Flanges for Making Flanged Connections to Tanks**
- **Flexible Gaskets**

**BFA Series Bulkhead Flange Fittings (Tank Adapters)**

**KEY FEATURES**

- **Left Handed Threads**
- **Rated to 150 PSI**
- **Long Pattern / Barrel in PVC, CPVC or PP**

**TYPICAL APPLICATIONS**

- **Agriculture and Irrigation**
- **Chemical Processing**
- **Petroleum, Paints and Related**
- **Marine and Corrosive Environments**

**BFAS Series Standard Flange Long Pattern Fittings (Tank Adapters)**

**KEY FEATURES**

- **Left Handed Threads**
- **Rated to 150 PSI**
- **Socket x Thread**

**TYPICAL APPLICATIONS**

- **Agriculture and Irrigation**
- **Chemical Processing**
- **Petroleum, Paints and Related**
- **Marine and Corrosive Environments**

**BFAS Series Standard Flange Short Pattern Fittings (Tank Adapters)**

**KEY FEATURES**

- **Socket x Thread**
- **Rated to 150 PSI**
- **Socket x Thread**

**TYPICAL APPLICATIONS**

- **Agriculture and Irrigation**
- **Chemical Processing**
- **Petroleum, Paints and Related**
- **Marine and Corrosive Environments**
### TECHNICAL INFORMATION

**BFAS Series Bulkhead Fittings – Standard Flange**

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**TYPICAL APPLICATIONS**

- Hexagon Flats, 3/" Octagon Flats
- 1/2" – 3"

**MINIMUM INSIDE RADII OF TANKS**

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**TYPICAL APPLICATIONS**

- Hexagon Flats, 3/" Octagon Flats
- 1/2" – 3"

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**TYPICAL APPLICATIONS**

- Hexagon Flats, 3/" Octagon Flats
- 1/2" – 3"

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**BFAS Series Bulkhead Fittings – Standard Flange**

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<td>Socket x Thread</td>
</tr>
<tr>
<td>1-1/2</td>
<td>PVC</td>
<td>Socket x Thread</td>
</tr>
</tbody>
</table>

**TYPICAL APPLICATIONS**
- FPM or EPDM Gasket Seal
-  Long Pattern / Barrel in PVC, CPVC or PP
-  Long Pattern / Barrel in Thicker Wall Tanks
-  Ready Flanges for Making Flanged Connections to Tanks
-  Hex Body for Easy Installation
-  Heavy Duty Buttress Threads to Prevent Leaks Under Pressure
-  Aggressive and Corrosive Environments
-  Metal Finishing and Plating
-  Agriculture and Irrigation

**KEY FEATURES**
- Left Handed Threads
-  PVC per ASTM D1784
-  CPVC Cell Class 23447
-  PP per ASTM D4101
-  Hex Body/FPM and EPDM Gasket Seals

**MATERIALS**
- PVC
- CPVC
- PP

**TYPICAL APPLICATIONS**
- Agriculture and Irrigation
- Marine and Corrosive Environments
- Pulp and Paper
- Chemical Processing
- Water and Wastewater Treatment
- Food and Beverage
- Swimming Pools, Aquariums
- Theme Parks

**OPTIONS**
- Ready Flanges for Making Flanged Connections to Tanks
- Hex Body for Easy Installation
- Heavy Duty Buttress Threads to Prevent Leaks Under Pressure
- Metal Finishing and Plating
- Agriculture and Irrigation

**RATING**
- Rated to 150 PSI

**OPTIONS**
- Hex Body for Easy Installation
- Metal and Stainless Steel Treatment
- Through sectional flanges
- Coated and Plated
- Hex Body for Easy Installation
- Heavy Duty Buttress Threads to Prevent Leaks Under Pressure

**MATERIALS**
- PVC
- CPVC
- PP

**TYPICAL APPLICATIONS**
- Agriculture and Irrigation
- Marine and Corrosive Environments
- Pulp and Paper
- Chemical Processing
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- Theme Parks

**OPTIONS**
- Hex Body for Easy Installation
- Metal Finishing and Plating
- Agriculture and Irrigation

**MATERIALS**
- PVC
- CPVC
- PP

**TYPICAL APPLICATIONS**
- Agriculture and Irrigation
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**OPTIONS**
- Hex Body for Easy Installation
- Metal Finishing and Plating
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**MATERIALS**
- PVC
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**OPTIONS**
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**OPTIONS**
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- Theme Parks

**OPTIONS**
- Hex Body for Easy Installation
- Metal Finishing and Plating
- Agriculture and Irrigation

**MATERIALS**
- PVC
- CPVC
- PP
A revolutionary and patent pending designed PVC compression fitting, that provides a constant load on the gasket of the bulkhead fitting to overcome, and compensate for tank wall expansion/contraction in thickness due to changes in temperature and/or pressure inside the tank. The Tank-Tite™ also ensures in the same time a compact load on the bulkhead fitting that enhances the possibility of fusing the gasket to the bulkhead body.

KEY FEATURES
• Robust PVC Upper and Lower Body Construction
• Stainless Steel Wave Spring
• Rated to 150 PSI
• Fits with Hayward BFA Series Bulkhead Fittings

MATERIALS
• PVC Cell Class 12454 per ASTM D1784
• 17-7 PH Stainless Steel

3/4" PVC – TRUE UNION AIR RELEASE VALVES

3/4" PVC – TRUE UNION AIR RELEASE VALVES

KEY FEATURES
• Vents up to 150 GPM
• PP or EPDM Seals
• Class 2 PSI
• Yellow PP Valve
• UN Thermoplastic – No Cross-bore or Sticking
• Two Sets of Shell Connections and Screen

1/2" TO 3" PVC AND CPVC – TRUE UNION BALL VALVES

1/2" TO 3" PVC AND CPVC – TRUE UNION BALL VALVES

KEY FEATURES
• Rated at 210 PSI Minus 4°
• PTFE Seals
• Optional PTFE Seals
• FPW or EPDM Seals
• Actuator Ready
• Double O-ring Stem Seals
• Adjustable Seat Retainer

3/4" TO 2" PVC – GY SERIES G22™ COMPACT BALL VALVES

3/4" TO 2" PVC – GY SERIES G22™ COMPACT BALL VALVES

KEY FEATURES
• Rugged, Compact and Lightweight Construction
• Fast Push Design
• PTFE Seals
• EPDM O-ring Seals
• Low Torque, Easy 1/4-Turn Operation
• No Integral Parts to Replace
• Perfect for OEM Requirements

2" TO 6" PVC AND CPVC – TRUE UNION BALL VALVES

2" TO 6" PVC AND CPVC – TRUE UNION BALL VALVES

KEY FEATURES
• Rated at 235 PSI through 4"
• Full Port Design
• Reversible PTFE Seats
• FPM or EPDM Seals
• Actuator Ready
• Double O-ring Stem Seals
• Adjustable Seat Retainer

1-1/2" TO 12" PVC, CPVC AND GFPP WITH FPM, EPDM OR BUNA-N LINERS

1-1/2" TO 12" PVC, CPVC AND GFPP WITH FPM, EPDM OR BUNA-N LINERS

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• Full Port Design
• PTFE Seats
• EPDM O-ring Seals
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• No Integral Parts to Replace
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1-1/2" TO 3" PVC – SF SERIES SELF-ALIGNING BULKHEAD FITTINGS

1-1/2" TO 3" PVC – SF SERIES SELF-ALIGNING BULKHEAD FITTINGS

KEY FEATURES
• FPV Body with SSTL Lugs
• 316 Stainless Steel Shaft
• Pneumatic or Electric Actuators
• Blowout-Proof Shaft
• Gear Operators Available
• Stem Extensions

1" TO 2" PVC – 5T SERIES SELF-ALIGNING BULKHEAD FITTINGS

1" TO 2" PVC – 5T SERIES SELF-ALIGNING BULKHEAD FITTINGS

KEY FEATURES
• Robust PVC Upper and Lower Body Construction
• Stainless Steel Wave Spring
• Rated to 150 PSI
• Fits with Hayward BFA Series Bulkhead Fittings

VACUUM BREAKER COMPACT – PVC

VACUUM BREAKER COMPACT – PVC

KEY FEATURES
• PVC Body with PTFM Membrane
• Prevents Vacuum Build-up During Tank or Pipeline Draining
• Eliminates Spattering
• Quick, Easy Drainage in 30 GPM
• Reliably Venting of Tanks and Exhaust Systems
• Easy Installation
• No Metal Parts in Tank or Jars
• Can Martrix in 1-1/2" BFA Series Bulkhead Fitting Only

DIMENSIONS – INCHES / MILLIMETERS

DIMENSIONS – INCHES / MILLIMETERS

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A revolutionary and patent pending designed PVC compression fitting that provides a constant load on the gasket of the bulkhead fitting to overcome, and compensate for tank wall expansion/contraction due to changes in temperature and/or pressure within the tank. The Tank-Tite™ also helps in the same time a complete load on the bulkhead fitting and that reduces the possibility of loosening within the system.

**KEY FEATURES**

- Robust PVC Upper and Lower Body Construction
- Stainless Steel Wave Spring
- Rated to 150 PSI
- Fits with Hayward BFA Series Bulkhead Fittings

**MATERIALS**

- PVC Cell Class 12454 per ASTM D1784
- 17-7 PH Stainless Steel

**CCP Series Tank-Tite™ Fittings**

1/2" TO 3" PVC COMPRESSION FITTINGS

1", 2" AND 3" PVC – ST SERIES SELF-ALIGNING BULKHEAD FITTINGS

**KEY FEATURES**

- PTFE Body Seal
- Endwise StraightPipe Connection – Up to 37° of Offset Angle
- Ideal for Clean Bottoms or Downflow Top Tanks
- Gasket Stall Connection – Corrals for Cleaned Tanks

**VACUUM BREAKER COMPACT – PVC**

**KEY FEATURES**

- PVC Body with PTFM Membrane
- Prevents Vacuum Build-up Downstream Tank or Pipeline Draining
- Eliminates Spattering
- Quick, Easy Drainage – 30 GPM
- Relieve Venting of Tanks and Piping Systems
- Easy Installation
- No Metal Parts to Stick or Jam
- Can Bank to 1.1/2" BFA Series Steel/Steel Fitting Only

**3/4" PVC – TRUE UNION AIR RELEASE VALVES**

**KEY FEATURES**

- Vetted up to 150 GPM
- PTFM or EPDM Seals
- Closed at 3 PSI
- Blowout-Proof Stem
- All Thermoplastic – No Corrosion or Sticking
- Easy Installation
- Two Sets of End Connectors and Screen

**BY SERIES BUTTERFLY VALVES 1-1/2" TO 12" PVC, CPVC AND GFRP – NUT BUNA-N LINERS**

**KEY FEATURES**

- Rated to 150 PSI for all Sizes
- Optional 50 PSI
- SS Stainless Steel Shaft
- Pneumatic or Electric Actuators
- Blowout-Proof Shaft
- Valve Operation Available
- Trim Interchangeable