## SAMPLE SPECIFICATION

All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784, Cell Classification 12454), CPVC (ASTM D2846, Cell Classification 6852). In glass-filled polypropylene (ASTM D4976, Cell Classification 65585). All valves bodies shall contain integral top mounting flange with dimensions and attachments conforming to ISO 5211. Bodies shall contain fully-supported flange bolt holes, be one-piece construction and meet ANSI B16.10 maximum face to-face dimensions in all sizes. Pre-phased butterfly valves are optional, tags shall be made molded. 714 stainless steel and bolt the full width of the body. A nut shall be used on the 100# or 150#. Lever shall be FULL BOOT design, and shall be retained in the body via 4 bolts and pressed engagement. Lever shall serve as primary disc seal and face seals for mating flanges. Secondary upper bearing and lower seal retainer o-ring seals to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted, and provide full engagement of all parts of disc, stem shall have position indicator design, lever handle shall have trigger style with 360°.)

## PARTS LIST / 2D DRAWINGS

1. Body
2. Disc
3. Lever
4. Stem
5. Upper Stem Bearings
6. Seal Retainer
7. O-Rings (8)
8. Threaded Retaining Ring
9. Weather Seal
10. Solvent Throat Plate
11. Hand Lever Assembly
12. Bezel, Washers, Socket Head Cap Screw

## DIMENSIONS – INCHES / MILLIMETERS

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## DESIGN SPECIFICATIONS

1. Inch Size valves have an ANSI flange pattern. All thermoplastic wafer-style butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784, Cell Classification 12454), CPVC (ASTM D2846, Cell Classification 6852). In glass-filled polypropylene (ASTM D4976, Cell Classification 65585). All valves bodies shall contain integral top mounting flange with dimensions and attachments conforming to ISO 5211. Bodies shall contain fully-supported flange bolt holes, be one-piece construction and meet ANSI B16.10 maximum face to-face dimensions in all sizes. Pre-phased butterfly valves are optional, tags shall be made molded. 714 stainless steel and bolt the full width of the body. A nut shall be used on the 100# or 150#. Lever shall be FULL BOOT design, and shall be retained in the body via 4 bolts and pressed engagement. Lever shall serve as primary disc seal and face seals for mating flanges. Secondary upper bearing and lower seal retainer o-ring seals to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted, and provide full engagement of all parts of disc, stem shall have position indicator design, lever handle shall have trigger style with 360°. All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784, Cell Classification 12454), CPVC (ASTM D2846, Cell Classification 6852). In glass-filled polypropylene (ASTM D4976, Cell Classification 65585). All valves bodies shall contain integral top mounting flange with dimensions and attachments conforming to ISO 5211. Bodies shall contain fully-supported flange bolt holes, be one-piece construction and meet ANSI B16.10 maximum face to-face dimensions in all sizes. Pre-phased butterfly valves are optional, tags shall be made molded. 714 stainless steel and bolt the full width of the body. A nut shall be used on the 100# or 150#. Lever shall be FULL BOOT design, and shall be retained in the body via 4 bolts and pressed engagement. Lever shall serve as primary disc seal and face seals for mating flanges. Secondary upper bearing and lower seal retainer o-ring seals to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted, and provide full engagement of all parts of disc, stem shall have position indicator design, lever handle shall have trigger style with 360°. All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784, Cell Classification 12454), CPVC (ASTM D2846, Cell Classification 6852). In glass-filled polypropylene (ASTM D4976, Cell Classification 65585). All valves bodies shall contain integral top mounting flange with dimensions and attachments conforming to ISO 5211. Bodies shall contain fully-supported flange bolt holes, be one-piece construction and meet ANSI B16.10 maximum face to-face dimensions in all sizes. Pre-phased butterfly valves are optional, tags shall be made molded. 714 stainless steel and bolt the full width of the body. A nut shall be used on the 100# or 150#. Lever shall be FULL BOOT design, and shall be retained in the body via 4 bolts and pressed engagement. Lever shall serve as primary disc seal and face seals for mating flanges. Secondary upper bearing and lower seal retainer o-ring seals to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted, and provide full engagement of all parts of disc, stem shall have position indicator design, lever handle shall have trigger style with 360°. All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784, Cell Classification 12454), CPVC (ASTM D2846, Cell Classification 6852). In glass-filled polypropylene (ASTM D4976, Cell Classification 65585). All valves bodies shall contain integral top mounting flange with dimensions and attachments conforming to ISO 5211. Bodies shall contain fully-supported flange bolt holes, be one-piece construction and meet ANSI B16.10 maximum face to-face dimensions in all sizes. Pre-phased butterfly valves are optional, tags shall be made molded. 714 stainless steel and bolt the full width of the body. A nut shall be used on the 100# or 150#. Lever shall be FULL BOOT design, and shall be retained in the body via 4 bolts and pressed engagement. Lever shall serve as primary disc seal and face seals for mating flanges. Secondary upper bearing and lower seal retainer o-ring seals to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted, and provide full engagement of all parts of disc, stem shall have position indicator design, lever handle shall have trigger style with 360°.
The Revolutionary and patent pending BYV Series Butterfly Valve from Hayward features the most advanced thermoplastic design and construction in the industry today.

Available in multiple thermoplastic materials from 2” thru 12”, the BYV has an extremely robust body construction while lightening weight thru a material equivalent. The revolutionary hand lever design features a 72 spline interlocking mechanism allowing for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.

The BYV incorporates a revolutionary hand lever and ergonomic grip for increased strength and UV performance. The revolutionary hand lever incorporates a 72 spline interlocking mechanism allowing for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.

Engineered Hand Lever Design for Enhanced Strength and UV Performance

Ergonomic Grip and Lockouts

72-Spline Interlocking Throttle Plate with 19 Locking Positions

1-pc Stem with Threaded Retaining Gland for Positive Stem Retention

High Visibility Disc Position and Flow Rate Indication

ISO 5211 Top Flange and Stem Drive for Ease of Actuation

Molded-In Hang Tags

Robust 1-Piece Valve Body Construction in PVC, CPVC and GPPS Materials

Hydro-dynamic Disc for Increased Flow Performance

Over-sized Liner Face Maximizes Flange Surface Contact

Reinforced Lug Holes Standard. Overmolded or Field Mounted 316 Stainless Steel Lugs Available

BYV Series Key Features and Advantages

- Engineered Hand Lever for Enhanced Strength
- Ergonomic grip for ease of use
- From 2" thru 12" for all hand sizes
- Lockout and tag out holes molded into grip
- Made from GPPS w/ UV inhibitor for superior outdoor performance
- Exceeds industry standards for strength requirements

- 19 Position Throttle Plate with 72 Interlocking Splines
- Made from Ultem® material for superior strength, temperature and corrosion resistance
- Provides locking positions every 5 degrees
- Ensures absolute control and positioning of disc
- Easy operation with a smooth drive

- High Visibility Disc and Flow Indicators
- Alarms for exact positioning of the disc to meet flow requirements
- Degree Open x Cv percentage
- High contrast permanent markings
- Marked from 0% Cv material

- Overmolded or Field Mountable Lug Option
- Threaded lugs made from 316 Stainless Steel
- Full width of the valve body for maximum engagement with bolts
- Alarms for dead and service (Hayward recommends the use of a downstream flange)
- Does not require a different valve body or change of body material to support threaded lugs

- Hydro-dynamic Disc Design
- Contoured shape for increased flow performance and high Cv
- Maintains substantial flow in reduction of size
- Alarms for maximum flow through valve port
- Centric seal design for bubble tight seal
- One Piece Stem with upper bearing load and lower seal carrier
BYV Series Butterfly Valve
PVC, CPVC and GFPP

The Revolutionary and patent pending BYV Series Butterfly Valve from Hayward makes the most advanced butterfly design and construction in the industry today.

Available in multiple thermoplastic materials from 2” thru 12”, the BYV has an extremely robust body construction while lighter weight than a metal equivalent. The revolutionary hand lever design features a 72 spline interlocking mechanism allowing for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.

Engineered Hand Lever Design

• Over-Molded or Field Mountable 316 Stainless Steel Lugs
• Options
  • Made from PP material
  • High contrast permanent markings
  • Shows degrees Open and Cv percentage
  • Allows for exact positioning of the disc to meet flow requirements

Hydro-dynamic Disc Design

• Centric seat design for bubble tight seal
• Allows for maximum flow through valve port
• Centric seat design for bubble tight seal
• One Piece Body and Disc in PVC, CPVC and GFPP Materials

KEY FEATURES, BENEFITS AND ADVANTAGES

• One Piece Disc and Body in PVC, CPVC and GFPP Materials
• Revolutionary Hand Lever with 19 Lockable Stop Positions and 360° Interlock
• Over-sized Liner Face Maximizes Surface Contact with Flanges
• Hydro-dynamic Centric Disc Design for Increased Flow Performance
• Stem Bearing and Seal Retainer for Absolute Stem Positioning and Sealing
• ISO 5211 Top Flange and Stem Drive for Ease of Actuation
• Molded-In Hang Tag Holes
• Robust 1-Piece Valve Body Construction in PVC, CPVC or GFPP Materials

MATERIALS

• PVC per A152.1/F1940 Call Class 1250G
• CPVC per ASTM D2846 Call Class 284G
• GFPP per ASTM D4548 Call Class 350G
• EPDM, Viton®, and Nitrile Liners

TYPICAL APPLICATIONS

• Water and Wastewater Treatment
• Aqueous and Aerial Life Support Systems
• Chemical Processing and Handling
• Marine and Corrosive Environments
• Mining
• Sheet Metal and Surface Finishing
• Landfills / Environmental Protection
• Boiler / Thermal Plates

OPTIONS

• One Piece Stem with upper bearing seal and lower seal carrier
• Centric seat design for bubble tight seal
• Over-sized Liner Face Maximizes Surface Contact
• Hydro-dynamic Disc Design
• Does not require a different valve body or change of body material
• Allows for dead end service (Hayward recommends the use of a downstream filter)
• Full width of the valve body for maximum engagement with both threads
• Allows for dead end and zero headways (Hayward recommends the use of a downstream filter)
• Does not require a different valve body or change of body materials to support threaded lugs

OVERMOLDED OR FIELD MOUNTABLE LUG OPTION

• Threaded lugs made from 316 Stainless Steel
• Full width of the valve body for maximum engagement with both threads
• Allows for dead end and zero headways (Hayward recommends the use of a downstream filter)
• Does not require a different valve body or change of body materials to support threaded lugs

BENEFITS AND ADVANTAGES

• Robust 1-piece stem with threaded retaining gland for positive stem retention
• Over-sized liner face maximizes flange surface contact
• Hydro-dynamic disc for increased flow performance
• Reinforced lug holes standard. Overmolded or field mounted 316 stainless steel lugs available

Engineered Hand Lever Design for Enhanced Strength and UV Performance

Ergonomic Grip and Lockouts

72-Spline Interlocking Throttle Plate with 19 Locking Positions

High Visibility Disc Position and Flow Rate Indication

ISO 5211 Top Flange and Stem Drive for Ease of Actuation

HIGH VICKY DISC AND FLOW INDICATORS

• Valve for exact positioning of the disc to meet flow requirements
• Degree Open and Cv percentage
• High contrast permanent markings
• Stems from PP material

19 POSITION THROTTLE PLATE WITH 72 INTERLOCKING SPLINES

• Valve from Ultem® material for superior strength, temperature and corrosion resistance
• Push on lockable positions every 5 degrees
• Insures absolute control and positioning of disc
• Easy operation with a smooth drive

BYV SERIES KEY FEATURES AND ADVANTAGES

• Easy operation with a smooth drive
• Insures absolute control and positioning of disc
• Provides stopping positions every 5 degrees
• Made from Ultem® material for superior strength, temperature and corrosion resistance
• Push on lockable positions every 5 degrees
• One Piece Stem with threaded retaining gland
• Over-sized Liner Face Maximizes Surface Contact
• Hydro-dynamic Disc Design
• Does not require a different valve body or change of body materials
• Allows for maximum flow through valve port
• Centric seat design for bubble tight seal
• One Piece Body with upper bearing seal and lower seal carrier

The Revolutionary and patent pending BYV Series Butterfly Valve from Hayward makes the most advanced butterfly design and construction in the industry today.

Available in multiple thermoplastic materials from 2” thru 12”, the BYV has an extremely robust body construction while lighter weight than a metal equivalent. The revolutionary hand lever design features a 72 spline interlocking mechanism allowing for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.

Engineered Hand Lever Design

• Over-Molded or Field Mountable 316 Stainless Steel Lugs
• Options
  • Made from PP material
  • High contrast permanent markings
  • Shows degrees Open and Cv percentage
  • Allows for exact positioning of the disc to meet flow requirements

Hydro-dynamic Disc Design

• Centric seat design for bubble tight seal
• Over-sized Liner Face Maximizes Surface Contact
• Hydro-dynamic Disc for Increased Flow Performance
• Reinforced Lug Holes Standard. Overmolded or Field Mounted 316 Stainless Steel Lugs Available
The Revolutionary and Patent-Pending BYV Series Butterfly Valves from Hayward include the most advanced thermoplastic design and construction in the industry today. Available in multiple thermoplastic materials from 2” through 12”, the BYV has an extremely rigid body construction while lightweight enough to be easily handled. The valve’s durable hand lever design features a 72 spline (interlocking mechanism) for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates GFPP with a UV inhibitor for enhanced performance in outdoor applications. The revolutionary hand lever is engineered specifically for use with overmolded 316 stainless steel lugs for dead end service needs. Designed for global use, the BYV is available in ANSI and DIN/EN flange configurations with a pressure rating of 150 PSI / 10 Bar across all sizes and materials. Finally, the BYV Design is a Patent-Pending Design from Hayward.

BYV Series Key Features and Advantages

- Engineered Hand Lever Design for Enhanced Strength and UV Performance
- Ergonomic grip for ease of use
- From 3½” 316 Stainless Steel Lug body
- Lockout and tag-out holes molded into grip
- Rated to 150 PSI with 19 interlock positions for superior outdoor performance
- Epoxy coated stainless steel lugs for strength requirements

BYV Series Butterfly Valve

PVC, CPVC and GFPP

The revolutionary and patent pending BYV Series Butterfly Valves from Hayward include the most advanced thermoplastic design and construction in the industry today. Available in multiple thermoplastic materials from 2” through 12”, the BYV has an extremely rigid body construction while lightweight enough to be easily handled. The valve’s durable hand lever design features a 72 spline (interlocking mechanism) for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates GFPP with a UV inhibitor for enhanced performance in outdoor applications. The revolutionary hand lever is engineered specifically for use with overmolded 316 stainless steel lugs for dead end service needs. Designed for global use, the BYV is available in ANSI and DIN/EN flange configurations with a pressure rating of 150 PSI / 10 Bar across all sizes and materials. Finally, the BYV Design is a Patent-Pending Design from Hayward.

Key Features and Benefits

- One Piece Body and Disc in PVC, CPVC and GFPP Materials
- Revolutionized Hand Lever with 19 Lockable Stop Positions and 360° Interlock
- External Disc Position and Flow Indication
- Hydro-dynamic Centric Disc Design for Increased Flow Performance
- Over-sized Liner Face Maximizes Surface Contact
- Hydro-dynamic Disc for Increased Flow Performance
- Reinforced Lug Holes Standard
- Over-sized Liner Face Maximizes Flange Surface Contact
- Hydro-dynamic Disc Design
- Reinforced Lug Holes Standard
- Over-sized Liner Face Maximizes Flange Surface Contact
- Material Compatibility

Typical Applications

- Water / Theme Parks
- Landfills / Environmental Infrastructure
- Metal Plating and Surface Finishing
- Mining
- Marine and Corrosive Environments
- Chemical Processing and Handling
- Aquatic and Animal Life Support Systems
- Water and Wastewater Treatment

Engineered Hand Lever Design for Enhanced Strength and UV Performance

- Easy operation with a smooth drive
- Insures absolute control and positioning of disc
- Provides locking positions every 5 degrees
- Made from 1-Piece Stem with upper bearing seal and lower seal carrier

Ergonomic Grip and Lockouts

- Centric seat design for bubble tight seal
- Allows for maximum flow through valve port
- Centric seal design for bubble tight seal
- One Piece Stem with upper bearing seal and lower seal carrier
BYV Series Butterfly Valve

TECHNICAL INFORMATION

PARTS LIST / 2D DRAWINGS
1. Body
2. Disc
3. Liner
4. Stem
5. Upper Stem Bearings
6. Seal Retainer
7. O-Rings (m)
8. Threaded Retaining Gland
9. Weather Seal
10. Splitter Throttle Plate (*m)
11. Head Lever Assembly
12. Boss, Studs, Socket Head Cap Screw

DIMENSIONS – INCHES / MILLIMETERS

CVE VALUES

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PRESSURE / TEMPERATURE CHART

SAMPLE SPECIFICATION

All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784), CPVC (ASTM D1784), CPVC (ASTM D1784), or glass filled Polypropylene (ASTM D4101). All valves bodies shall contain integral top mounting flange with dimensions and clearances conforming to ISO 5211. Bodies shall contain fully-supported flange bolts, be one piece construction and meet ANSI B16.10 nominal face-to-face dimensions in all sizes. All LEADED butterfly valves are unequal, legs shall be equal in size. Stainless steel and bolt for the width of the body. Leans shall be EPDM, Viton® or Vit心思. Levers shall be FULL BOOT and shall be retained in the body via the drive and pressure engagement. Lever shall serve as primary disc seal and have seals for mating flanges. Secondary upper bearing and lower seal retainer in ring seal to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted and provide full engagement over length of disc. Stem shall have position indication design.

Lever handle shall have trigger style with 360° rotating sleeve allowing the handle to position the disc in 0° increments. Mounting of stop plates for lever handle shall be non-invasive to the valve body and shall not incorporate self tapping screws or other fasteners that connect directly to the valve body. Trigger shall contain hole for padlock, as well as slot for cable tie, to lockout valve. Lever handle material to be 30% glass filled Polypropylene with UV Inhibitor. Gear operators shall be available for all sizes of valves as needed. All sizes of butterfly valves (2” through 12”) shall be pressure-rated for 150 PSI at 70°F non-shock. All butterfly valves shall carry a two-year warranty, and shall be manufactured by Hayward Flow Control products in the USA.

BYV Series Butterfly Valve

PRODUCT GUIDE

FOR ALL SIZES OF VALVES AS NEEDED. ALL SIZES OF BUTTERFLY VALVES (2” THROUGH 12”) SHALL BE PRESSURE-RATED FOR 150 PSI AT 70°F NON-SHOCK.

SAMPLE SPECIFICATION

All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784), CPVC (ASTM D1784), CPVC, or glass filled Polypropylene (ASTM D4101). All valves bodies shall contain integral top mounting flange with dimensions and clearances conforming to ISO 5211. Bodies shall contain fully-supported flange bolts, be one piece construction and meet ANSI B16.10 nominal face-to-face dimensions in all sizes. All LEADED butterfly valves are unequal, legs shall be equal in size. Stainless steel and bolt for the width of the body. Leans shall be EPDM, Viton® or Vit心思. Levers shall be FULL BOOT and shall be retained in the body via the drive and pressure engagement. Lever shall serve as primary disc seal and have seals for mating flanges. Secondary upper bearing and lower seal retainer in ring seal to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted and provide full engagement over length of disc. Stem shall have position indication design.

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BYV Series Butterfly Valve

PRODUCT GUIDE

FOR ALL SIZES OF VALVES AS NEEDED. ALL SIZES OF BUTTERFLY VALVES (2” THROUGH 12”) SHALL BE PRESSURE-RATED FOR 150 PSI AT 70°F NON-SHOCK.

SAMPLE SPECIFICATION

All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784), CPVC (ASTM D1784), CPVC, or glass filled Polypropylene (ASTM D4101). All valves bodies shall contain integral top mounting flange with dimensions and clearances conforming to ISO 5211. Bodies shall contain fully-supported flange bolts, be one piece construction and meet ANSI B16.10 nominal face-to-face dimensions in all sizes. All LEADED butterfly valves are unequal, legs shall be equal in size. Stainless steel and bolt for the width of the body. Leans shall be EPDM, Viton® or Vit心思. Levers shall be FULL BOOT and shall be retained in the body via the drive and pressure engagement. Lever shall serve as primary disc seal and have seals for mating flanges. Secondary upper bearing and lower seal retainer in ring seal to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted and provide full engagement over length of disc. Stem shall have position indication design.

Lever handle shall have trigger style with 360° rotating sleeve allowing the handle to position the disc in 0° increments. Mounting of stop plates for lever handle shall be non-invasive to the valve body and shall not incorporate self tapping screws or other fasteners that connect directly to the valve body. Trigger shall contain hole for padlock, as well as slot for cable tie, to lockout valve. Lever handle material to be 30% glass filled Polypropylene with UV Inhibitor. Gear operators shall be available for all sizes of valves as needed. All sizes of butterfly valves (2” through 12”) shall be pressure-rated for 150 PSI at 70°F non-shock. All butterfly valves shall carry a two-year warranty, and shall be manufactured by Hayward Flow Control products in the USA.

BYV Series Butterfly Valve

PRODUCT GUIDE

FOR ALL SIZES OF VALVES AS NEEDED. ALL SIZES OF BUTTERFLY VALVES (2” THROUGH 12”) SHALL BE PRESSURE-RATED FOR 150 PSI AT 70°F NON-SHOCK.

SAMPLE SPECIFICATION

All thermoplastic sanitary butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D1784), CPVC (ASTM D1784), CPVC, or glass filled Polypropylene (ASTM D4101). All valves bodies shall contain integral top mounting flange with dimensions and clearances conforming to ISO 5211. Bodies shall contain fully-supported flange bolts, be one piece construction and meet ANSI B16.10 nominal face-to-face dimensions in all sizes. All LEADED butterfly valves are unequal, legs shall be equal in size. Stainless steel and bolt for the width of the body. Leans shall be EPDM, Viton® or Vit心思. Levers shall be FULL BOOT and shall be retained in the body via the drive and pressure engagement. Lever shall serve as primary disc seal and have seals for mating flanges. Secondary upper bearing and lower seal retainer in ring seal to be EPDM or FPM. Stem shall be 316 stainless steel, non-wetted and provide full engagement over length of disc. Stem shall have position indication design.

Lever handle shall have trigger style with 360° rotating sleeve allowing the handle to position the disc in 0° increments. Mounting of stop plates for lever handle shall be non-invasive to the valve body and shall not incorporate self tapping screws or other fasteners that connect directly to the valve body. Trigger shall contain hole for padlock, as well as slot for cable tie, to lockout valve. Lever handle material to be 30% glass filled Polypropylene with UV Inhibitor. Gear operators shall be available for all sizes of valves as needed. All sizes of butterfly valves (2” through 12”) shall be pressure-rated for 150 PSI at 70°F non-shock. All butterfly valves shall carry a two-year warranty, and shall be manufactured by Hayward Flow Control products in the USA.
All thermoplastic-rotational-molded butterfly valves shall be manufactured from PVC Type 1, Grade 1 (ASTM D3386), CPVC (ASTM D2846), or glass-filled Polypropylene (ISO 12151). All valve bodies shall contain integral top mounting flange with dimensions and edge conformity conforming to ISO 5752. Bodies shall contain fully supported flange bolt holes, be one-piece construction and meet ANSI B16.10 narrow face-to-face dimensions in all sizes. Butterfly valves are equipped, tags shall be view visible. Stainless steel and be the full width of the body. Valves shall be EPDM, Viton® or Nitrile. Valves shall be full port designs, and shall be retained in the body via a direct and groove engagement. Lever shall serve as primary disc seal and have seals for reaming tapers. Secondary upper bearing and lower seal retainers in ring seals to EPDM or FPM. Stem shall be 316 stainless steel, non-winded and provide full engagement over entire disc. Stem shall have positive retention design.

Lever handle shall be forged style with 360° interlocking splines allowing the handle to position the disc in 0° increments. Mounting of stop play for lever handle shall be non-invasive to the valve body and shall not incorporate self-tapping screws or other fasteners that connect directly to the valve body. Trigger shall contain hole for padlock, as well as slot for cable tie, to lockout valve. Lever handle material to be 30% glass-filled Polypropylene with UV Inhibitor.

Sizes 2” Through 12” will be lever operated as standard, and sizes 10” and 12” will be gear operated as standard. Gear operators will be available for all sizes of valves as required. All sizes of butterfly valves (2” Through 12”) shall be pressure-rated for 150 PSI at 72°F non-shock.

All butterfly valves shall carry a two-year warranty, and shall be manufactured by Hayward Flow Control products in the USA.

Please see table of dimensions for further data.