

Pool-Pro Butterfly Valves

1.0 Scope:

All requirements are for Pool-Pro Butterfly Valves and accessories.

2.0 Materials:

U-PVC – Conforming to ASTM D1784 Cell Classification 12454 A

EPDM – Ethylene Propylene Diene Terpolymer Rubber

3.0 Valves:

Pool-Pro Butterfly valves shall be PVC body with PVC disc and EPDM seat & seals. The liner shall be full seat design fully moulded around the body where as only the Disc and Seat are wetted parts and feature raised convex rings on the face and be utilised as the mating flange gaskets. Valves shall accept flat faced flanges in accordance with ANSI B16.5 bolt pattern for 150 lb. (68.04 kg) flanges. Valve stem shall be Stainless Steel S32101, be non-wetted, and have engagement over the full length of the disc. The valve lever handle (sizes 1.5 – 8 inch) shall be Blue in colour and have a moulded provision for a padlock. Valves sizes 1.5 – 12 inch shall feature a moulded ISO bolt pattern for accessory and Plasgear™ Gear-operator mounting. Type-SP Pool-Pro butterfly valves are intended for chlorinated water, swimming pool, and fresh water applications only.

3.1 Operators

Pool-Pro 1.5 – 12 inch (Lever Type standard sizes 1.5 – 8 inch)
(Gear Type standard sizes 1.5 – 12 inch)

Lever Handle to be Asahi Blue Colour

Gear-Operator to be Asahi Plasgear™ all plastic construction with SS trim submersible type – Blue Handwheel

3.2 Approved Manufacturer

Valves shall be provided by Asahi/America, Inc. of Lawrence, MA with no approved equals. Manufacturer must be ISO-9001 certified.

3.3 Pressure vs. Temperature

Valves shall have a pressure rating of:

- 150 psi at 70°F (21.11°C) sizes 1.5 – 10 inch
- 100 psi at 70°F (21.11°C) sizes 12 inch

4.0 Accessories:

4.1 Stem Extensions

Stem extensions where required should be designed, built and provided by the Asahi/America, Inc., and be 1 of 5 styles:

- Style LBF-A Two piece extension with outer housing 100% sealed either free standing or supported design.
- Style GBF-A Two piece extension with outer housing 100% sealed either free standing or supported design.
- Style LBF-B Single piece extension either free standing or supported design
- Style GBF-B Single piece extension either free standing or supported design.
- Style GBF-C Single piece extension for the gear handwheel only either free standing or supported design.

4.2 Actuation

Actuation where required should be designed, built and provided by Asahi/America, Inc., and be either pneumatic (Series 79P) or electric (Series 94, 92, or 10) type. All actuation accessories to

be provided and installed by Asahi/America, Inc. in accordance with manufacturer's requirements.

4.3 Lugs

Lugs are not available for Type-SP Pool-Pro butterfly valves.

4.4 Operating Nuts

Where required 2 inch square operating nuts can be installed on Lever type or Gear type Butterfly valves. On Gear type valves, the gear operator must remain on top of valve body and only the handwheel from gear-operator is replaced by 2 inch square operating nut.

Materials of construction – Anodised Aluminium.

4.5 Chain Operators

Where required for overhead applications, chain operators manufactured by Babbitt Steam may be installed on Gear-operated butterfly valves. Chain must be weldless loop style chain supplied from Babbitt Steam.

Materials of construction: Chain Operator – Cast Iron

Chain – Hot Galvanised steel, others by request.

5.0 Installation Procedures:

All valve joints shall be prepared using flanged connections to accept wafer style butterfly valves. The bolt diameters and torque values should be according to manufacturer's standard and requirements put forth in Type-SP Pool-Pro Butterfly valve Operation and Maintenance manual. All accessories should be installed in accordance with the manufacturer's requirements as well as any facility requirements.

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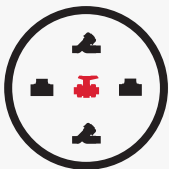
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