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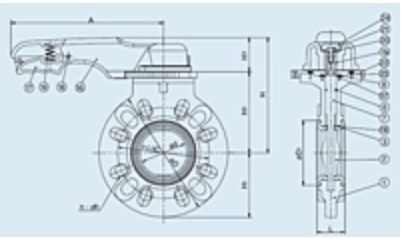
Item # 173730030, 57P Butterfly Valve Lever





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Specifications

Standard	ANSI
Size	3in (80mm)
Body Material	PVC
Disc Material	PP
Class	150
Operating Temperature [Min]	30 ºF
Operating Temperature [Max]	175 ºF
Pressure at 30 to 120 ºF	150 psi
Pressure at 121 to 140 ºF	70 psi
Pressure at 141 to 175 ºF	30 psi
C_v Coefficient	300
C_v at opening 30°	18
C_v at opening 60°	183
C_v at opening 90°	300

Elastomer	EPDM
Valve Operator	Lever Handle
Weight	5.00 lb

Dimensions

A	9.84 in
Length (L)	1.81 in
Diameter (D)	8.31 in
Height (H)	7.52 in
Height (H_1)	4.15 in
Height (H_2)	5.12 in
D_1	4.17 in
H_3	2.20 in
d	3.03 in
C	6.00 in
h	0.75 in
n	4

Options

- Pneumatically and electrically actuated with accessories
- Alternate discs:

(I): PVC : 1-1/2" – 14"
(II) PVDF : 1-1/2" – 14"
(III) CPVC : 3", 4", 6" & 8"

- Lug style (stainless steel 304 or 316) for blocking and end-of-line applications
- Stems in titanium or Hastelloy C®
- 2" square nut on stem (1-1/2" - 8" only)
- 2" square nut on gear operator (all sizes)
- Stem extensions (single stem and two-piece stem)
- Locking devices (gear type – standard on lever)
- Chain operators
- Manual limit switch - Asahi P-Series
- Tandem arrangements (Patented by A/A, Inc.)

Sample Specification

All solid thermoplastic butterfly valves sizes 1-1/2" through 14" shall be of the Type-57 lined body design and bubble-tight seal (meeting or exceeding Class VI as defined by American National Standard Institute) with only the liner and disc as wetted parts. The lever handle (sizes 1-1/2" thru 8") shall have a molded provision for a padlock. Gear operators shall be worm gear design, self-locking Plasgear™. The spherical disc design for higher Cv values shall be of solid, abrasion resistant plastic. Liner shall be molded and formed around the body, functioning as gasket seals with convex ring design on each side of the valve for lower bolt tightening torque and valve body shall have molded body stops and seat relief area to prevent over tightening of mating flanges. Stem shall be of 316 stainless steel, non-wetted, have engagement over the full length of the disc and be locked into valve body by PP stem retainer. Valves shall have a molded ISO bolt pattern on top flange for actuator mount. PVC shall conform to ASTM D1784 Cell Classification 12454A, PP conforming to ASTM D4101 Cell Classification PP0210B67272, and PVDF conforming to ASTM D 3222 Cell Classification Type II. All PVC, PP and PVDF body valves shall be rated to 150 psi at 70 ºF, sizes 1-1/2" through 10" and 100psi for sizes 12" and 14". Butterfly valves shall be wafer style, as manufactured by Asahi/America, Inc.

For lug style data consult factory.

Troubleshooting

What if fluid still flows when the valve is closed?
1. Make sure lever or gear is in a fully closed position (gear type may require travel stop adjustment).
2. Liner is damaged or worn. Replace liner.
3. Disc is damaged or abraded. Change disc.
4. Foreign material is caught between seat and disc. Remove the substance.
5. Mating flange bolts either overtightened or unevenly tightened. Retighten properly.

What if fluid leaks outside between seat and mating flange?
1. Seat damage. Change seat.
2. Mating flange bolts not tightened with proper torque or unevenly tightened. Retighten to the appropriate torque.

What if valve does not operate smoothly?
1. Foreign material is caught between disc and seat. Remove the material and clean.
2. Lever or gearbox is damaged. Replace.
3. Mating flange bolts overtightened. Retighten.