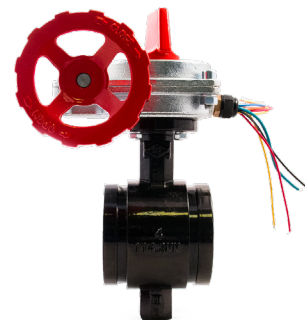


FPPI Ductile Iron Grooved Butterfly Valve

INSIST ON
FPPI®

Description

FPPI Ductile Iron Grooved Butterfly Valves are designed to be installed in any orientation and monitored to signal if the valve is closed. All sizes are UL/ULc listed and FM Approved for use in a fire sprinkler system.



Features

- 300 PSI working pressure
- UL/ULc Listed
- FM Approved
- California State Fire Marshall Approval No. 7770-1740:100
- Factory installed replaceable double tamper switch
- Approved for indoor and outdoor use
- Grooved ends
- Gear operated

Installation

1. The valve can be installed in any orientation with standard roll or cut grooved pipe.
2. Attach to piping with a listed and approved coupling. LubeFit® gasket lubricant may be used to facilitate the coupling installation.
3. The supervisory switch has dual leads on the terminals. This switch is used for connection of the supervisory circuit of a listed fire alarm control panel. The auxiliary switch has a single lead used for connection of auxiliary equipment.
4. Any unused wires need to be capped with lead nuts and tucked into a junction box.
5. All connections need to be reviewed and approved by the appropriate jurisdictional authorities.
6. A green wire is fixed inside the switch housing. It is provided as a ground for the housing.

Specifications

Standard: MSS SP-67; Face to

Face Dimension: MSS SP-67

Top Flange: ISO 5211

Working Pressure: 300PSI

Working Temperature: Rubber seal 0-80° C

Coating: FBE, R619011

Materials

Name Plate: SS304

Gear Box: Body: ASTM A536, 65-45-12

Spring Washer: 65Mn

Hex Nut: Carbon Steel Zinc plated

Cylindrical Pin: SS304

Bushing: SS304+PTFE

Drive Shaft: SS431

O-Ring: EPDM

Disc: ASTM A536, 65-45-12+EPDM

Stub Shaft: SS431

O-Ring: EPDM

Body: ASTM A536, 65-45-12

Plug: EPDM

Available Sizes

06-558-00, 2½"

06-560-00, 3"

06-562-00, 4"

06-564-00, 6"

06-566-00, 8"



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INSTALLATION MUST COMPLY WITH
NFPA 13 AND NFPA 72.

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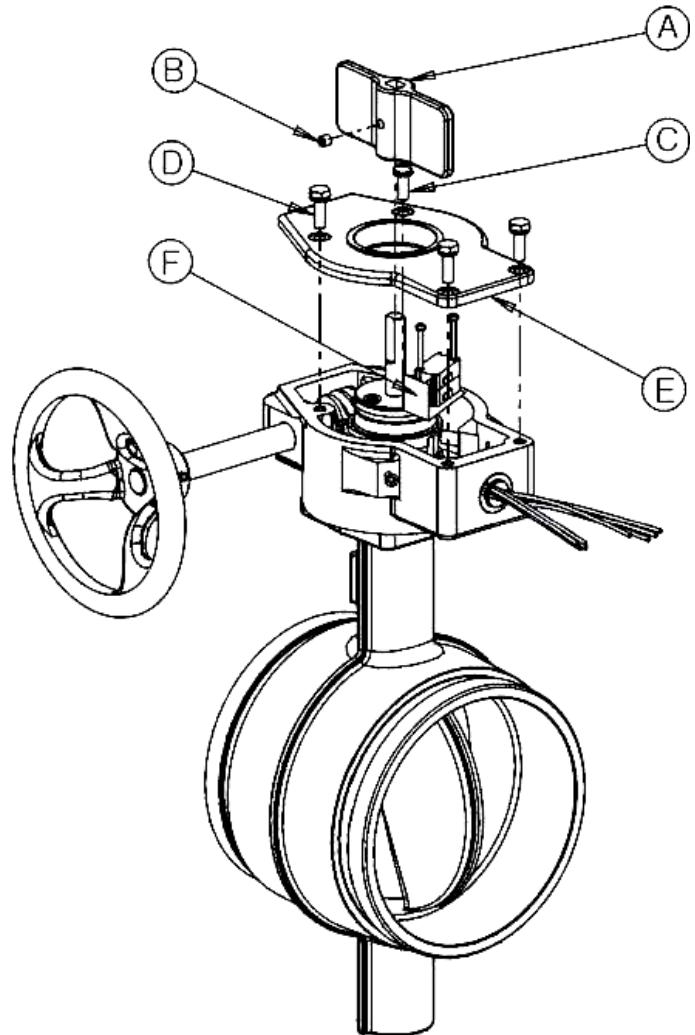


Instructions Indicating Butterfly Valve

FACTORY INSTALLED SUPERVISORY SWITCH REPLACEMENT

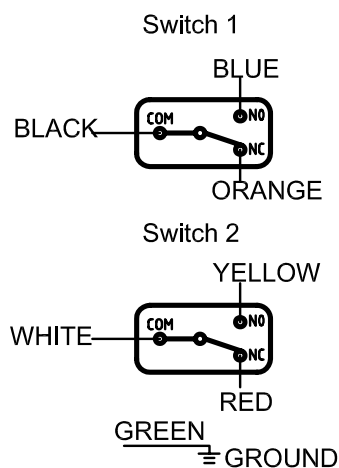
1. Remove flag (A) by backing out hex socket set screw (B).
2. Remove one socket pin head screw (C), three socket head bolts (D) and gear operator cover (E).
3. Remove two screws holding switch assembly into housing, and one screw holding ground wire to housing and remove switch assembly.
4. Feed electrical wires of new switch assembly through hole in rear of housing. Put new switch assembly (F) into gear box with actuating arms against quadrant gear.
5. Reinstall cover plate.
6. Reinstall flag.
7. Use and connection of auxiliary switch to be reviewed and accepted by local authority having jurisdiction.

* Instructions are same regardless of valve end connections.



Signal Description

1. Switch Parameters: 16A 125/250VAC
2. Wiring Diagram:



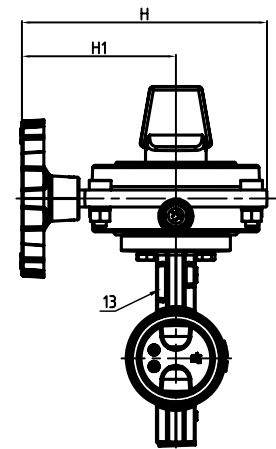
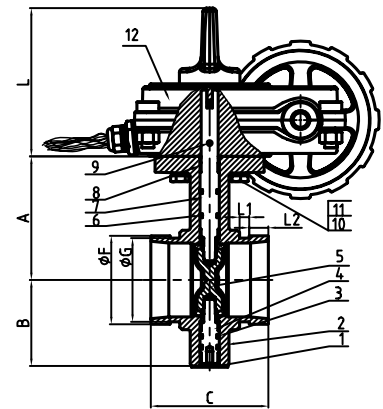
Switch Wiring

All lead wires are 18 AWG, 18 inches long and exit actuator housing through a single hole designed for 1/2" conduit fittings.

NOTE: Gear boxes are NOT explosion proof.

Material Specifications

Part	Specification
Name Plate	SS304
Gear Box	Body: ASTM A536, 65-45-12
Spring Washer	65Mn
Hex Nut	Carbon Steel Zinc plated
Cylindrical Pin	SS304
Bushing	SS304+PTFE
Drive Shaft	SS431
O-Ring	EPDM
Disc	ASTM A536,65-45-12+EPDM
Stub Shaft	SS431
O-Ring	EPDM
Body	ASTM A536,65-45-12
Plug	EPDM



Dimension

Inch	A(mm)	B(mm)	C(mm)	F(mm)	G(mm)	L(mm)	L1(mm)	L2(mm)	H1(mm)	H(mm)	WGT(kg)
2.5"	102	71	97±1.5	73.0	69.09	122.5	7.93	15.88	127	202.2	8.59
3"	109	81	97±1.5	88.9	84.94	122.5	7.93	15.88	127	202.2	9.21
4"	128	95	116±1.5	114.3	110.08	122.5	9.53	15.88	127	202.2	10.67
6"	153	133	148±1.5	168.3	163.96	122.5	9.53	15.88	127	202.2	18.13
8"	184	164	133±3.3	219.1	214.40	122.5	11.1	19.05	127	202.2	22.73

NOTES:

- 1.Letters casted raised minimum 1mm
- 2.Batch NO. required and change with each batch of production.
- 2The color of flag and hand wheel is red, RAL3000. The body of housing is zinc plated.