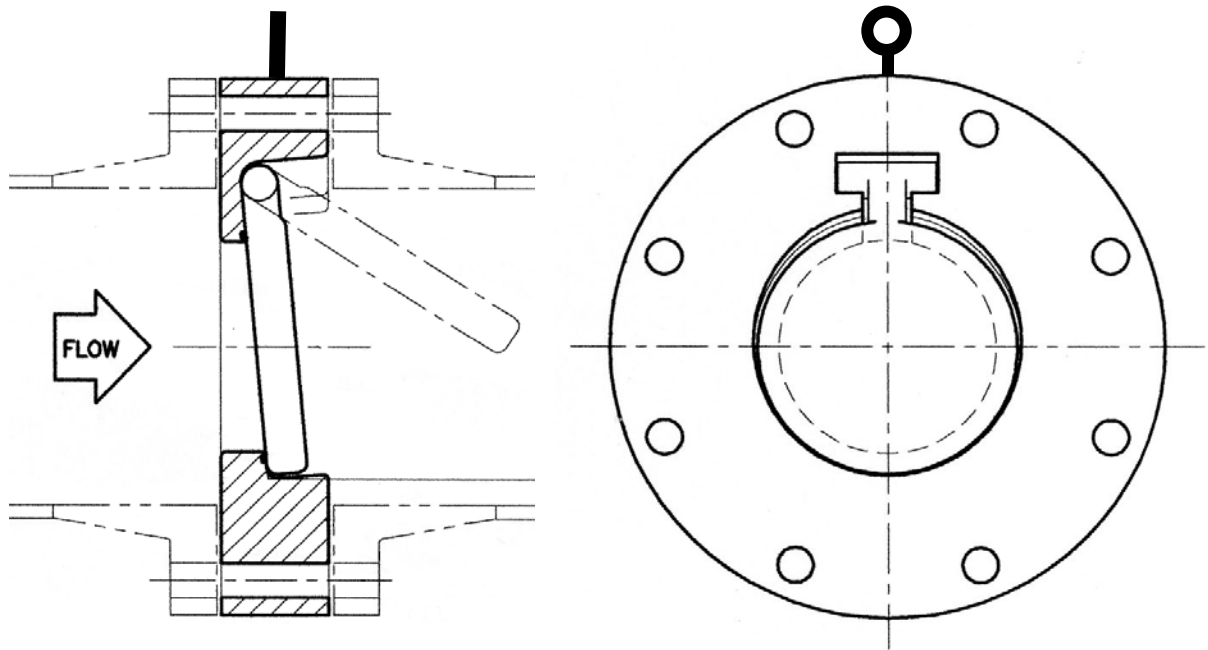


## PureFlex Swing Check Valves

### Installation, Maintenance and Operating Instructions

#### Series 200



**CAUTION:** Refer to the PureFlex Corrosion Guide to verify suitability for chemical applications. Contact factory for assistance for chemicals not listed.

For Technical information and dimensions, please refer to the current edition of the PureFlex Swing Check Valve Technical Specification

**Site Storage Precautions**

1. For outside site storage ensure valves or containers are wrapped in plastic or otherwise protected from ingress of dust or blowing sand. Do not remove flange covers.
2. Actuated or gear operated valves should be kept dry.
3. Inside warehouse storage requires no special protections.

**Installation**

1. Because Check Valves are unidirectional, it is important to ensure that the arrow on valve points in the direction of free flow.
2. Pipe must be properly aligned and provisions made to minimize stress from thermal expansion. Always review pipe manufacturer's recommendations.
3. Take care to support the flapper as the valve is slid into the line so that it does not come out of the retaining slot in the body.
4. TFE envelope or 50 Durometer Elastomer gaskets are recommended.
5. Flange bolts should be evenly tightened, using a torque wrench, in cross rotation to prevent flange damage.

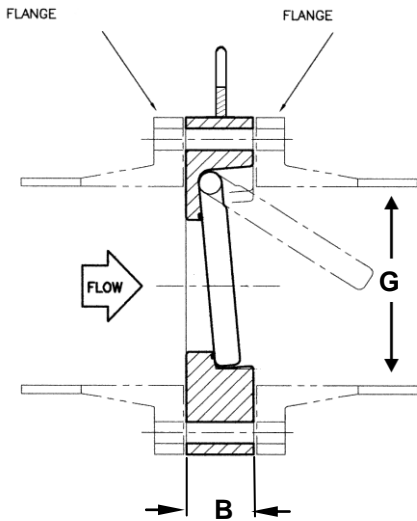
**Removal** For your safety, it is important that these precautions be taken before removal of the valve from the line or before disassembly:

1. Wear protective clothing or equipment appropriate for the particular fluid.

2. Isolate and depressurize the valve.
3. Secure valve to the lifting device using the lifting eye on the valve.
4. Remove the flange bolts.
5. Take precautions to properly support pipeline.
6. Temporarily cap off exposed pipeline to prevent infiltration of debris.
7. Take care to support the flapper as the valve is removed from the line so that it does not come out of the retaining slot in the body.
8. Carefully slide the valve from line.

**Disassembly / Assembly**

1. Inspect and clean all parts to make sure they are free of dust, grit or other material
2. Check I.D. of mating flange on the flapper side to be sure it falls between the Max. and Min. dimensions in the table below.
3. Inspect flapper T-support and face sealing surface for damage. Hand-dress any scratches using 200-grit emery cloth. If the seating area of the flapper is heavily damaged, it may be necessary to replace it in order to obtain a satisfactory seal.
4. Inspect the body elastomer seat for damage. If damaged, replace the seat.
5. Reinstall the flapper by inserting the T-support in the body slot. Be certain that the sealing surface of the flapper lays against the Viton seal in the body.



VALVE SIZE	MIN G
3	2.85
4	3.75
6	5.70
8	7.60
10	9.60
12	11.50
14	12.75
16	14.75

Item	Description	Material
1	Body	Vinyl ester or Graphite Fiber
2	Flapper	Vinyl ester or Graphite Fiber
3	Seat Ring	Viton
4	Lifting Eye	300-Series Stainless Steel

**Shutoff Pressure/Temperature Rating  
Wafer Swing Check**

