INSTALLATION AND MAINTENANCE INSTRUCTIONS
For Chemline 3” - 10” PW-Series Wafer Check Valves

Installation

1. The PW Wafer Check Valves are designed to fit between flat face flanges.

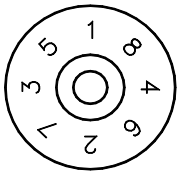
2. Centre by means of body rim (external) diameter.

3. Assemble between DIN/ANSI flanges. Use soft gaskets and tighten.

4. Flange bolts should be well lubricated. With plastic flanges it is important to use washers.

5. Utilization of other flanges (i.e. DIN 2512/12/14), threaded, flared or slip-on flanges require a disc stem locking device.

6. Tighten bolts with a torque wrench evenly and in symmetrical pattern as shown below.



8. The following should be observed when assembling on to the discharge side of the pump:
   (a) Never assemble directly on to pump flange.
   (b) Never assemble on to a bend or elbow.
   (c) Allow an additional distance of 5 - 10 times the nominal width before installing the wafer check valve.

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Installation & Maintenance PW Wafer Check Valves cont.

9. The recommended torques are tabled below:

Recommended Flange Bolt Torques

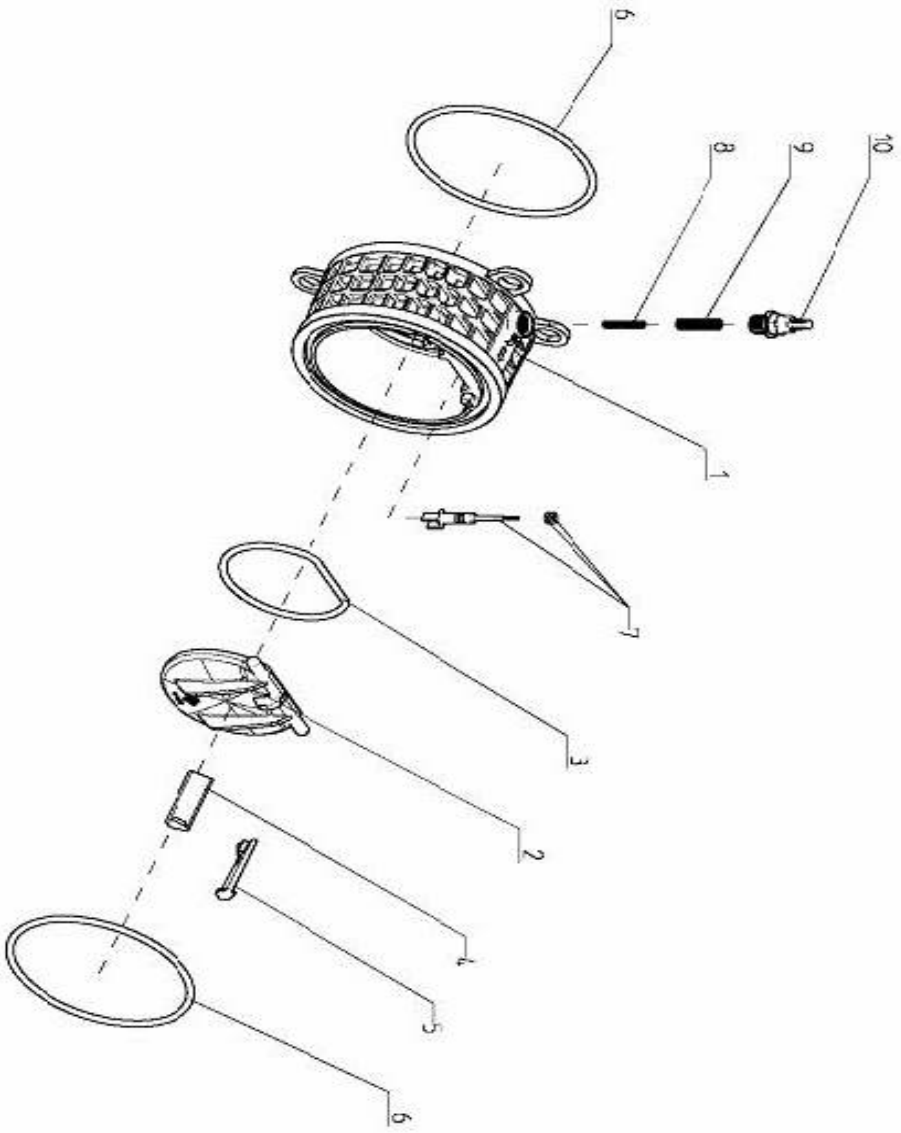
Valve Size	Bolt Torque (ft-lb)
3”	20-30
4”	20-30
6”	33-50
8”	33-50
10”	53-75

MAINTENANCE

Refer to drawing below and proceed as follows:

1. With the valve out of line, remove the disc retainers (5) by pulling them out of the body (1).
2. Remove the disc (4).
3. Inspect disc and O-rings (3) for wear and replace if necessary.
4. Inspect body O-rings (2) for wear and replace if necessary.
5. To re-assemble valve repeat steps 4 through 1 in reverse.
6. Remove indicator cover (10) and indicator stem (9).
7. Verify that the correct disc springs (9) are being used according to the line pressure below.

Line Pressure	Disc spring
Up to 50psi	inner spring
Up to 90 psi	outer spring
Up to 150 psi	both springs



1. Body
2. Disc
3. O-Ring disc
4. Fixing bolt left
5. Fixing bolt right
6. O-Ring Body
7. Indicator pin with O-Ring
8. Spring PN3
9. Spring PN7
10. Cap transparent