



CHEMLINE 750 DIAPHRAGM VALVE

Installation Manual

MAINTENANCE INSTRUCTIONS For Chemline Position Indicator for 750 Series Diaphragm Valve Size 1/2" - 2"

Installation (all sizes)

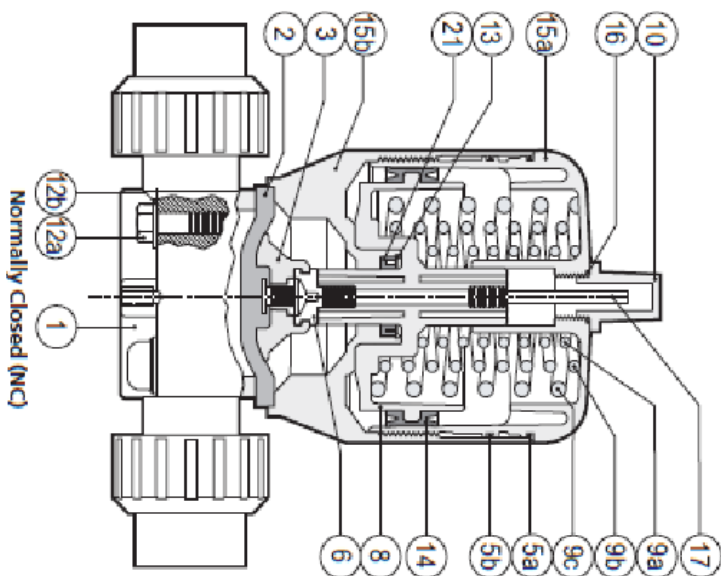
Refer to **ASSEMBLY DRAWING 750** and proceed as follows:

NOTE: Isolate the valve from the pipeline before performing any maintenance.

1. From bottom of body (1), remove the bolts (12) to release the actuator portion.
2. Remove the body from the actuator. Inspect and replace if necessary.
3. Unscrew the process diaphragm (2) from the adaptor assembly (6).
5. Inspect and replace process diaphragm if necessary.
5. To re-assemble valve follow steps 1 through 4 in reverse order, tightening to the bolt torques recommended in the chart below.

IMPORTANT When re-assembling valve ensure that holes in lower part of valve, diaphragm and cover are in line. When tightening diaphragm, if it stops turning before its tab lines up with that on the actuator, unscrew diaphragm totally until it backs off one screw thread, then retighten. The tab should now line up with that on the actuator. Also if attaching to actuator, ensure that all screw holes line up.

VALVE SIZE	DIAPHRAGM BOLT	MATERIAL TORQUE	(IN-LB)
	EPDM	Viton	Teflon
1/2	44	44	44
3/4	44	44	44
1	44	44	44
1-1/4"	80	80	106
1-1/2"	80	80	106
2	124	124	159



Normally closed (NC)


PARTS			4 Recommended Spare Parts
No.	Part	Pcs.	Materials
1	Valve Body	1	PVC, CPVC, PP, PVDF
2a	Process Diaphragm	1	EPDM, FKM-B (Viton®), PTFE
3	Compressor	1	PB18 ¹
5a	Upper O-Ring	1	Nitrile
5b	Lower O-Ring	1	Nitrile
6	Adaptor Assembly	1	316 ²
8	Piston	1	316 ²
9	Spring Set (a, b, c) ³	1-3	Epoxy Coated Spring Steel
10	Indicator Cover ⁴	1	Polycarbonate
12a	Hex Bolt	4	Cad. Plated Steel
12b	Washer	4	Cad. Plated Steel
13a	Ring Retainer	1	Brass
14	Double Lip Ring	1	Nitrile
12a	Hex Bolt	4	Cad. Plated Steel
12b	Washer	4	Cad. Plated Steel
15a	Upper Actuator Housing	1	316 ²
15b	Lower Actuator Housing	1	316 ²
16	Indicator O-Ring ⁴	1	Nitrile
17	Position Indicator ⁴	1	Polypropylene
21	Spindle Bearing	1	PTFE/Aluminum

¹PBTB = Polybutylene Terephthalate

⁴ $1/2''$ to $1''$ has 2 springs; ⁵ $1/2''$ = Polyaramide;

1-1/4" to 1-1/2" has 3 springs; 2" has 2 springs.

⁴Optional Indicator parts

TITLE CHEMLINE 750 SERIES DIAPHRAGM VALVE	SCALE	DATE	CHEMLINE PLASTICS 
	DR. BY		
	CHKD BY		
REFERENCE 1/2" TO 2	APP. BY		DWG. NO. 750
			REV.