

MAINTENANCE INSTRUCTIONS
For Chemline 760 (formerly NDV) Series Manual Diaphragm Valve
Sizes 1/2" - 4"

Maintenance (all sizes)

Refer to **ASSEMBLY DRAWING NDV1 REV 0**. And proceed as follows:

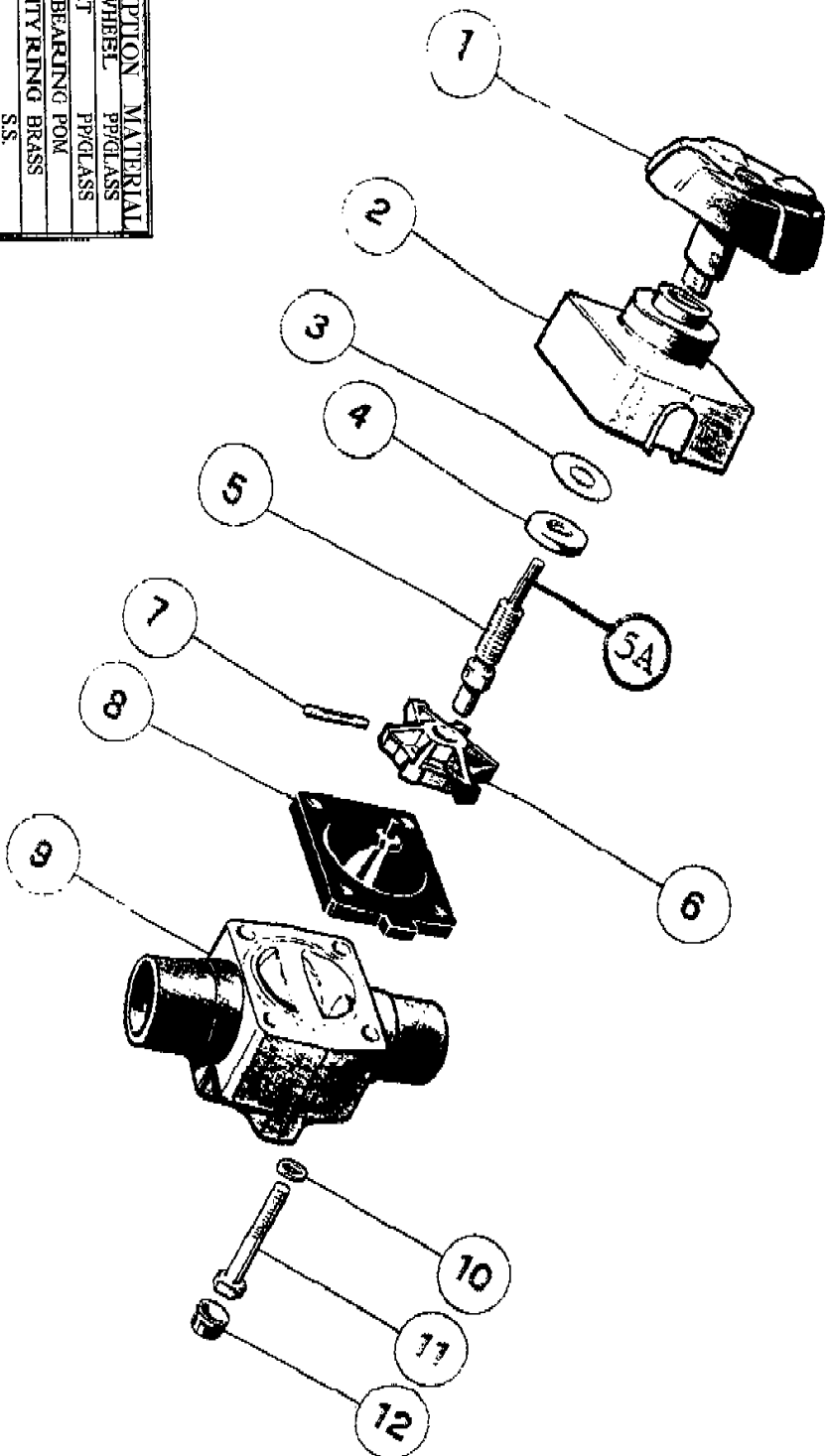
1. Remove protective cap (12). bolt (11) and washer (10).
2. Remove handwheel (1) from bonnet (2).
3. Draw stem (5) out from security ring (4) and compression bearing (3).
4. Disconnect position indicator (5A) from top of stem (5).
5. At bottom of stem remove pin (7) and compressor (6).
6. Unscrew process diaphragm (8) from compressor (6).
7. Lift off process diaphragm (8) from body of valve (9).
8. Inspect all parts for wear and abrasion.
9. Replace parts if necessary.
10. Before re-assembling valve, lubricate stem (5) with Dow Corning III silicone or equivalent.
11. To re-assemble valve follow steps 1 through 7 in reverse, tightening to the bolt torque recommended in the chart below.

Maintenance Instructions 760 Manual diaphragm Valve cont.

IMPORTANT When re-assembling valve ensure that holes in lower part (18) of valve, diaphragm (24) and cover (3) are in line. When tightening diaphragm, if it stops turning before its tab lines up with the one on the cover, unscrew diaphragm totally until it backs off one screw thread, then retighten. The tab should now line up with the one on the cover.

Maintenance (all sizes)

VALVE SIZE	DIAPHRAGM MATERIAL BOLT 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
2-1/2"	354	354	443
3"	354	354	443
4"	266	266	354



PART	DESCRIPTION	MATERIAL
1	HANDWHEEL	PP/GLASS
2	BONNET	PP/GLASS
3	COMP. BEARING POM	
4	SECURITY RING	BRASS
5	STEM	S.S.
5(a)	POS. INDICATOR	PLASTIC
6	COMPRESSOR	PAMXD6
7	PIN	S.S.
8	PROCESS DIAPH.	VARIOUS
9	VALVE BODY	VARIOUS
10	WASHER	S.S.
11	BOLT	S.S.
12	PROTECTIVE CAP	PE

*VARIOUS=EPDM/VITON/PTFE
PVC/CPVC/PP/PVDF

TITLE		SCALE	DATE
CHEMLINE NDV SERIES MANUAL			
REFERENCE	CHNG. BY	APP. BY	REV.
DIAPHRAGM VALVE SIZES 1/2" - 4"			0
	DWG. NO.		
	NDV1		

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