

## MAINTENANCE & INSTALLATION INSTRUCTIONS

### For Chemline 2” – 4” SB Series Pressure Relief Valves

#### ***Installation:***

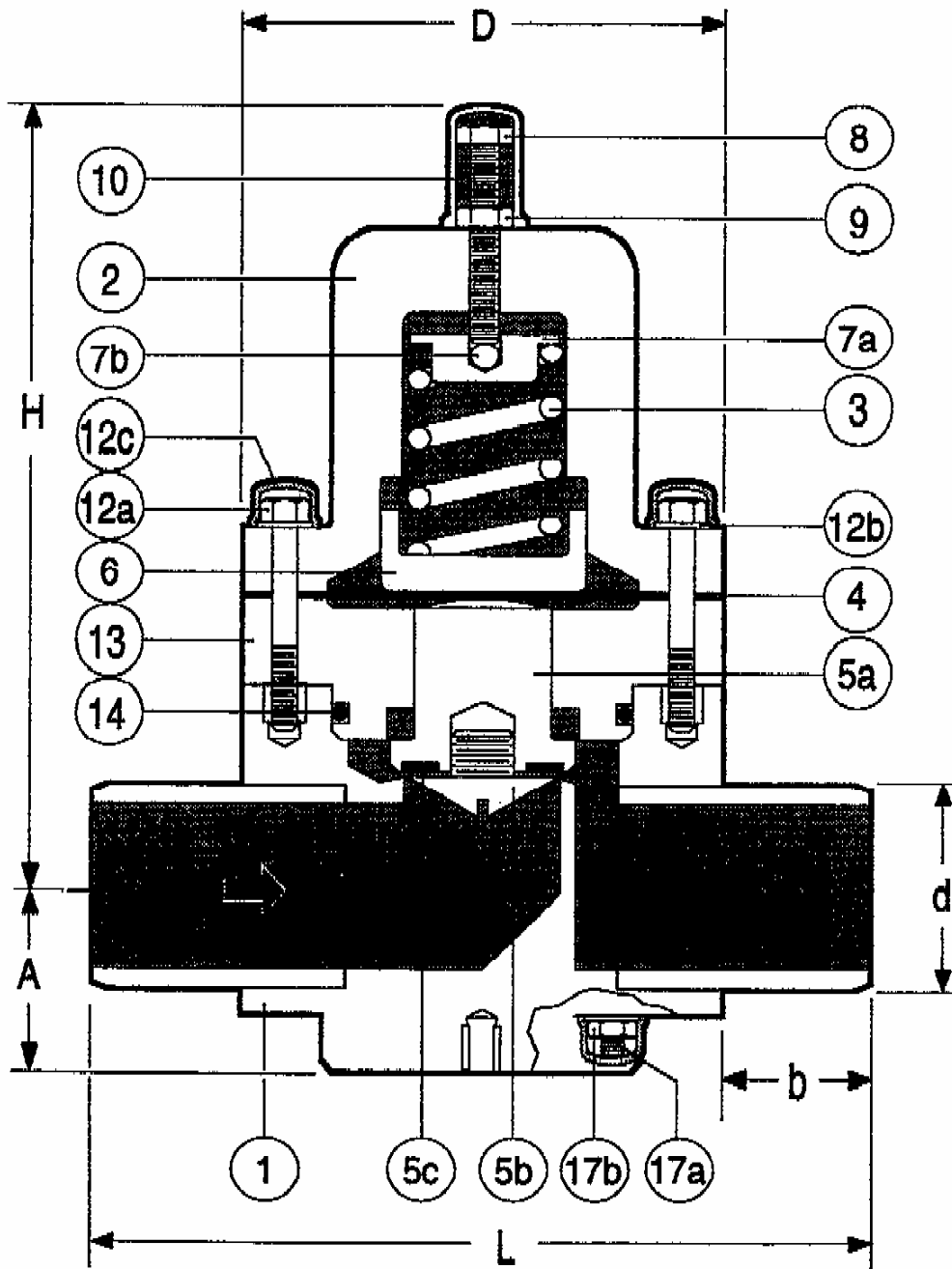
1. Always mount a filter or strainer in the line immediately before the valve to avoid damage to the valve from dirt or particles. Valve is spring operated, therefore can be installed in any orientation.
2. **To adjust pressure use the adjustment screw (8) and a pressure gauge.**
  - the valve will be closed at the set pressure and will start to open when the operating pressure rises above the set pressure.
  - connect the compressed air supply to the inlet of the valve. Adjust the flow of the air to the desired set pressure by turning clockwise to increase the set pressure, counterclockwise to decrease it.
  - with the valve being closed, adjust the screw (8) until the valve starts to open. Fix the adjusting screw in place with the locking nut (9).
3. For installation in an application where the temperature is 0° C or less. Check with Chemline Engineering Technical staff prior to installation.

#### ***Maintenance:***

Refer to **ASSEMBLY DRAWING SB1201 rev 0.** And proceed as follows:

1. Loosen and remove cap (10).
2. Loosen counter nut (9) and remove adjustment screw (8).
3. Remove body cap (12c), body nut and bolt (12a) and washer (12b).
4. Lift up and remove bonnet (2).
5. Remove pressure plate (7a) and ball bearing (7b) to reach relief spring (3).





PART	DESCRIPTION	PCS
1	BODY	1
2	BONNET	1
3	RELIEF SPRING	1
4	DIAPHRAGM	1
5 (a)	OUTER PISTON	1
5 (b)	PLUG	1
5 (c)	SEAT	2
6	SPRING PLATE	1
7 (a)	PRESSURE PLATE	1
7 (b)	BALL BEARING	1
8	ADJUSTING SCREW	1
9	COUNTER NUT	1
10	CAP	1
12 (a)	BODY NUT & BOLT	4/6
12 (b)	BODY WASHER	4/6
12 (c)	BODY CAP	4/6
13	INTERMED. FLANGE	2
14	SEAL	2

TITLE		CHEMLINE SB/12 SERIES		SCALE	DATE	CHEMLINE PLASTICS CHEMLINE	
REFERENCE		PRESSURE RELIEF VALVES 2-4"		DR. BY		DWG. NO.	SB1201
				CHKD. BY		REV.	0
				APP. BY			