



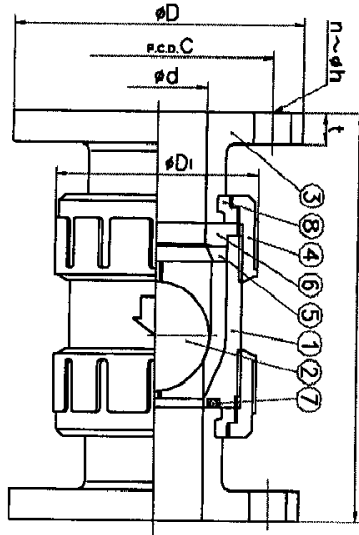
CHEMLINE BALL CHECK & FOOT VALVE

MAINTENANCE INSTRUCTIONS For Chemline Ball Check Valves and Ball Foot Valves Sizes 1/2” to 4”

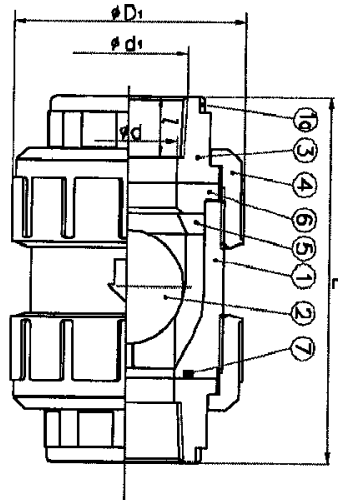
Maintenance

Refer to dwg. APR-050 or ASSEMBLY DRAWING BC-003 rev.0 and proceed as follows:

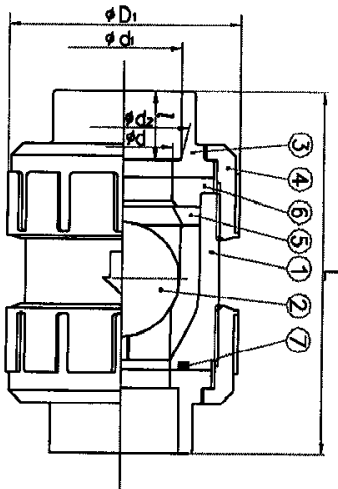
1. Loosen union nut (5) and remove valve from line.
(Note: make sure there is no pressure in line prior to removing valve.)
2. **Important** Hold seat/seal (3) in place while removing valve, as the seat, stop ring (6) and ball (2) may fall out.
3. Remove seat (3), stop ring (6) and ball (2). Inspect for excessive wear. The ball should not show signs of wear or deformation.
4. When re-installing ball (2), stop ring (6) and seat (3), check inside body for any foreign debris that may have become lodged in the valve.
5. Replace union nut (5) and tighten.
6. For Foot Valves with strainer baskets, remove basket (7) and clean thoroughly.



FLANGE END



THREAD CONNECTION



SOCKET CONNECTION

DIMENSIONS TABLE

NOMINAL SIZE	FLANGE				THREAD						
	D	C	n	h	d ₁	L	L	D ₁			
1/2"	1.502	2.381	4	0.635	12.047	1/2"	14 NPT	0.591	3.391	0.591	1.891
3/4"	2.0	3.862	7/8"	0.635	10.055	1/2"	14 NPT	0.674	4.061	0.791	2.361
1"	2.5	4.25	1 1/8"	0.635	6.500	5/8"	1 1/2 NPT	0.791	4.451	0.981	2.761
1 1/4"	3.0	5.00	1 3/8"	0.635	7.560	3/4"	1 1/2 NPT	0.875	5.001	1.221	3.781
1 1/2"	4.0	5.984	1 3/4"	0.635	8.430	7/8"	2 1/2 NPT	0.981	5.941	1.571	3.781
2"	5.0	6.984	2"	0.75	8.430	1"	2 1/2 NPT	1.101	6.971	2.011	4.171

UNIT : inch

NOMINAL SIZE	PVC - C-PVC				SOCKET				PVDF				PVDF PP			
	d ₁	d ₂	L	L	d ₁	d ₂	L	L	d ₁	d ₂	L	L	d ₁	d ₂	L	L
1/2"	0.848	0.835	0.688	3.43	0.848	0.835	0.875	3.80	0.875	0.890	1.830	831	0.625	3.31		
3/4"	1.058	1.046	0.719	3.86	1.058	1.046	1.000	4.41	1.030	1.015	4.491	941	1.000	4.43		
1"	1.325	1.310	0.875	4.37	1.325	1.310	1.125	4.88	1.300	1.147	4.981	961	0.815	4.35		
1 1/4"	1.670	1.655	0.938	4.92	1.670	1.655	1.250	5.55	1.650	1.265	5.58					
1 1/2"	1.912	1.894	1.094	5.94	1.912	1.894	1.375	6.50	1.890	1.390	6.57	1.889	1.250	6.57		
2"	2.387	2.369	1.156	6.77	2.387	2.369	1.500	7.44	2.360	1.515	7.57	2.361	1.250	6.49		

NOTE: The shape and appearance of assembly differ a little with nominal size compared to this drawing.

Customer _____
 Customer PO# _____
 Chemline PS# _____

Part No. _____
 Body Material _____
 Elastomer Material _____
 End Connection _____

1	RING	2	STAINLESS STEEL (316/316L)	1/2" - 2"
2	STOP RING (B)	2	PVDF	
3	O-RING	1	DEPDM / FPM	used for flange end
4	SEAT RING	1	Others	
5	STOP RING (A)	1	PVC	
6	UNION NUT	2	C-PVC	
7	END CONNECTOR	2	PP	
8	BALL	1	PP	
9	BODY	1	PVDF	

DESCRIPTION: TRUE UNION BALL CHECK VALVE ASSTLY
 FLANGE END, SOCKET CONNECTION, THREAD CONNECTION
 ANSI : 1/2" ~ 2"

REMARKS: _____

MATERIAL: _____

DATE: 09/28/99
 SCALE: _____

CHEMLINE PLASTICS LTD.