

## MAINTENANCE INSTRUCTIONS

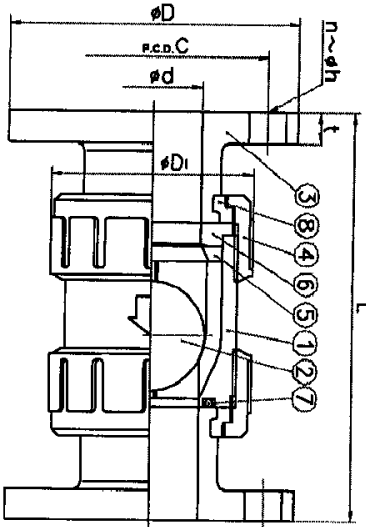
### For Chemline Ball Check Valves and Ball Foot Valves Sizes 1/2" to 4"

#### *Maintenance*

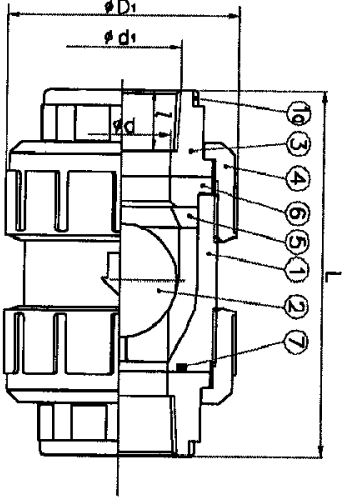
Refer to dwg. APR-050 or ASSEMBLY DRAWING BC-003 rev.0 and proceed as follows:

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.

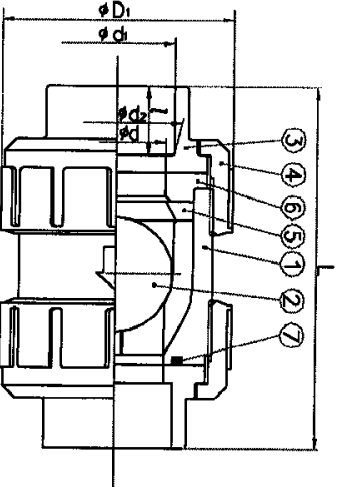
FLANGE END



THREAD CONNECTION



SOCKET CONNECTION



DIMENSIONS TABLE

NOMINAL SIZE	FLANGE				THREAD						
	D	C	n	h	d <sub>1</sub>	L	L	D <sub>1</sub>			
1/2 15	3.50	2.38	4	0.63	5.12	0.47	1/2 - 14 NPT	0.59	3.39	0.59	1.89
3/4 20	3.86	2.76	4	0.63	6.10	0.55	3/4 - 14 NPT	0.67	4.06	0.79	2.36
1 25	4.25	3.13	4	0.63	6.50	0.55	1 - 1 1/2 NPT	0.79	4.45	0.98	2.76
1 1/4 30	—	—	—	—	—	—	1 1/4 - 1 1/2 NPT	0.87	5.00	1.22	3.78
1 1/2 40	5.00	3.88	4	0.63	7.56	0.63	1 1/2 - 1 1/2 NPT	0.98	5.94	1.57	3.78
2 50	5.98	4.74	4	0.75	8.43	0.63	2 - 1 1/2 NPT	1.10	6.97	2.01	4.17

UNIT : inch

NOMINAL SIZE	PVC . C-PVC				SOCKET				PVDF		PVDF, PP	
	ANSI SCH 40	ANSI SCH 80	ANSI SCH 40	ANSI SCH 80	ANSI	ANSI	ANSI	ANSI	IPS	PP	PP	
1/2 15	0.84	0.83	0.68	0.68	3.43	0.84	0.83	0.87	3.80	0.82	0.88	3.80
3/4 20	1.05	1.04	0.79	0.79	3.86	1.05	1.04	1.00	4.41	1.03	1.01	4.41
1 25	1.32	1.31	0.87	0.87	4.37	1.32	1.31	1.25	4.88	1.30	1.40	4.91
1 1/4 30	1.67	1.65	0.93	0.93	4.92	1.67	1.65	1.55	5.51	1.50	1.26	5.58
1 1/2 40	1.91	1.89	1.09	1.09	5.94	1.91	1.89	1.75	6.50	1.89	1.39	6.57
2 50	2.30	2.28	1.56	1.56	7.72	2.30	2.28	2.00	7.44	2.30	1.51	7.57

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

Part No. \_\_\_\_\_  
 Body Material \_\_\_\_\_  
 Elastomer Material \_\_\_\_\_  
 End Connection \_\_\_\_\_

No.	DESCRIPTION	QTY	MATERIAL	REMARKS
1	RING	2	STAINLESS STEEL (304/316)	1/2" thick
2	STOP RING (B)	2	PVDF	
3	O-RING	1	EPDM	PPM
4	SEAT RING	1	Dollers	X
5	STOP RING (A)	1	PVC	
6	UNION NUT	2	C-PVC	
7	END CONNECTOR	2	PP	
8	BALL	1	PVDF	
9	BODY	1	PVDF	

TRUE UNION BALL CHECK VALVE ASSTY  
 FLANGE END, SOCKET CONNECTION, RTHREAD CONNECTION  
 ANSI : 1/2 ~ 2

DRAWN: LC DATE: 09/28/99 SCALE: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_ DRAWINGS: \_\_\_\_\_  
 APPROVED: APR-050

CHEMLINE PLASTICS LTD.

Customer PO# \_\_\_\_\_  
 Customer PS# \_\_\_\_\_  
 Chemline PS# \_\_\_\_\_