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High Capacity 6" Ball Valves

CHEMLINE Plastics Limited
Your Pipeline To Quality

Chemline HC Series is the only truly large port 6" ball valve manufactured to date in PVC, Polypropylene and PVDF. Most others offer a 4" valve with ends increased to 6" size. This valve is suitable for sewage, mild slurry or vacuum lines where an unobstructed flow path is required.

PVC, PP, PVDF

SERIES:	HC
SIZES:	6" & 8"†
ENDS:	Socket, Flanged, Butt
SEATS:	Teflon® PTFE
SEALS:	EPDM, Viton

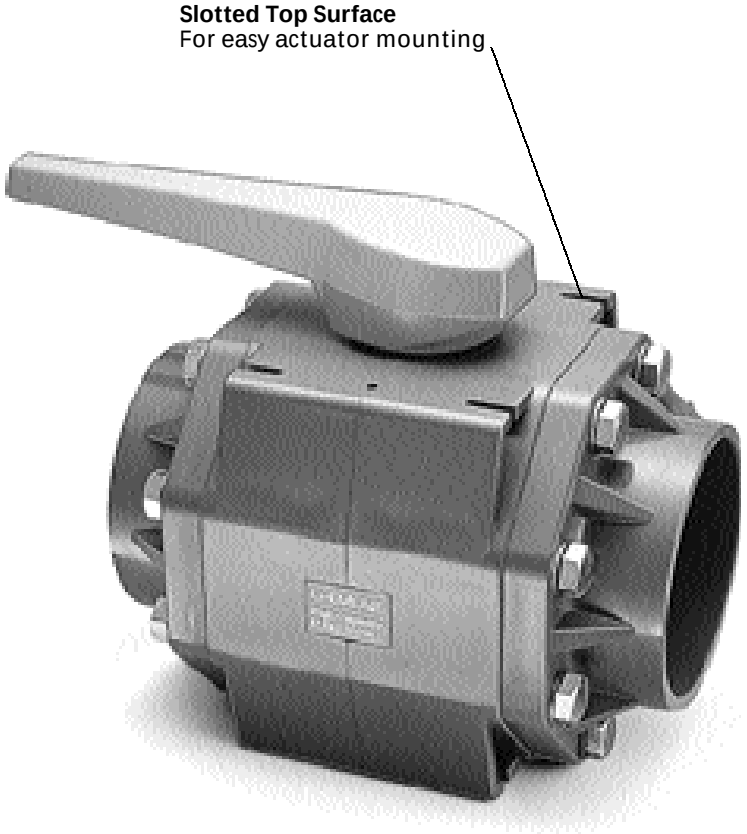
Low Pressure Loss

No Cavity Between Body & Ball

Low Stem Torque

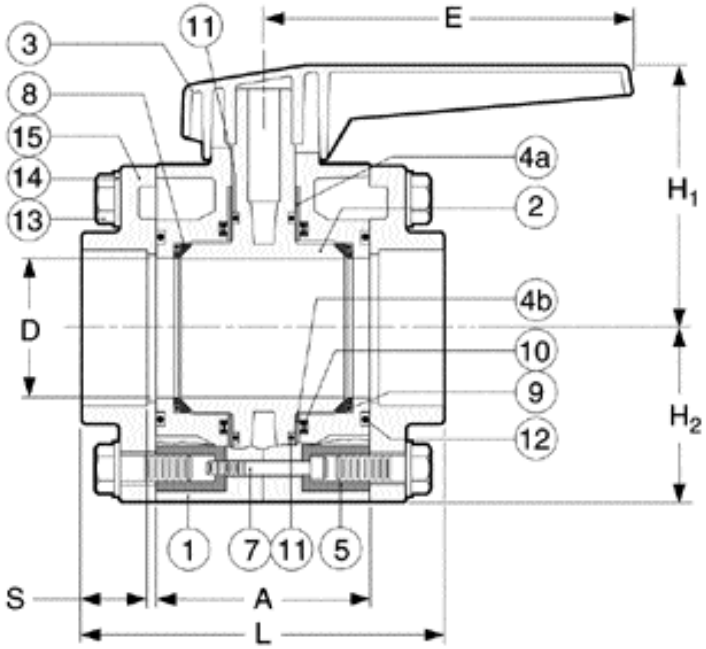
Features

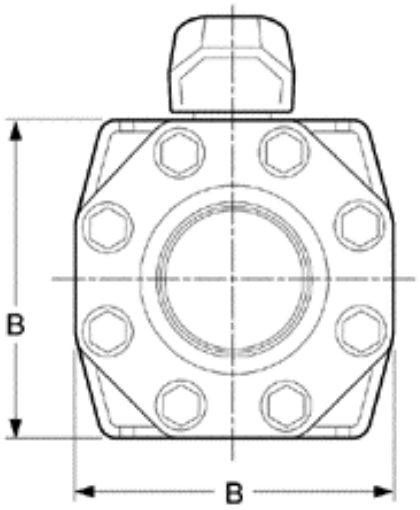
- **Large Port**
  ***Low Pressure Loss* - C_V value of 1880**
  No Obstruction to Flow - Suitable for lines where flow stream obstructions are not acceptable or where "pigging" is required
  Low Fluid Velocities - Minimal line velocity increase through these valves means lower abrasion if solids are present
- **Compact Dimensions** - Minimum end to end length
- **Easy Maintenance** - Bolt-in cartridge body slips out in-line
- **Light Weight** - Easy installation - Minimal stress on piping system
- **No Cavity between Body and Ball** - The low dead volume eliminates sediment build-up
- **Cushioned Teflon® Ball Seats** - Elastomer cushions provide a good closure seal and smooth operation
- **Teflon® Stem and Trunion Bearings** - Assure low torque and maintenance free operation
- **Available Flanged to 8"†** - The C_V value of these valves flanged to 8" is approximately equal to that of an 8" butterfly valve but offers no obstruction in flow path



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PARTS

▲Recommended Spare P

No.	Part	Pcs.	Materials
1	Split Body	2	PVC, PP, PVI
2	Ball/Stem Unit	1	PVC, PP, PVI
3	Handle	1	PVC
4a	Stem Bearing	1	Teflon® PTF
4b	Trunion Bearing	1	Teflon® PTF
5	Hex Retainer Lug	8	304 SS
7	Body Retainer Bolt	8	304 SS
8▲	Ball Seat	2	Teflon® PTF
9▲	Seat Cushion	2	EPDM, Vito
10▲	Body & Stem Seal	1	EPDM, Vito
11▲	Stem&Trunion O-Ring	2	EPDM, Vito
12▲	Body Face O-Ring	2	EPDM, Vito
13	End Piece Retainer Bolt	16	304 SS
14	Washer	14	304 SS
15	Socket End Piece	2	PVC, PP, PVI

* EPDM is supplied standard with PVC & PP. Viton is supplied standard with PVDF valve.

VACUUM RATING

- 29.9 inches mercury

OPTIONS & ACCESSORIES

- **Electrical or Pneumatically Actuated** – Refer to separate data sheets
- **Stem Extensions** – Made to any length
- **Limit Switches** – For open and/or closed position indication
- **Handle Lockout** – Field mountable
- **Municipal Operating Nut**
- **Gear Operator**

WEIGHTS LB.

Size	Material	Socket	Flange
6"	PVC	50	70
	PP	38	54
	PVDF	58	78

DIMENSIONS INCHES

Size	Material	D Bore	S Socket	L Socket	L Flanged	L Butt	A	B	E	H_1	H_2
6"	PVC	5.3	3.4	15.2	22.4	–	8.0	10.6	12.2	8.3	5.3
	PP	5.3	–	–	19.8	12.8	8.0	10.6	12.2	8.3	5.3
	PVDF	5.1	–	–	19.8	12.8	8.0	10.6	12.2	8.3	5.3
8"	PVC	5.3	C.F.	C.F.	25.2	–	8.0	10.6	12.2	8.3	5.3
	PP	5.3	–	–	C.F.	–	8.0	10.6	12.2	8.3	5.3
	PVDF	5.1	–	–	C.F.	–	8.0	10.6	12.2	8.3	5.3

WORKING PRESSURES PSI

	PVC			Polypropylene			PVDF				
Size	0-40°C 32-104°F	50°C 122°F	60°C 140°F	0-40°C 32-104°F	60°C 140°F	80°C 176°F	–40-70°C –40-158°F	80°C 176°F	90°C 194°F	100°C 212°F	120°C 248°F
6"	85	45	15	85	60	30	85	75	60	45	30
8"	85	45	15	85	60	30	85	75	60	45	30