



Quarter Bloc Ball Valves

Quarter Bloc

Specifications

Sizes: 1/2" - 2"
Model: Socket
Body: PVC
Seats: PTFE
Seals: EPDM

Sizes 1/2" - 2" PVC/EPDM Models standard with NSF-61 Certification

Built-In Spanner Wrench

The top of the handle is designed to be used as a spanner wrench for tightening and loosening the carrier.

Double O-ring

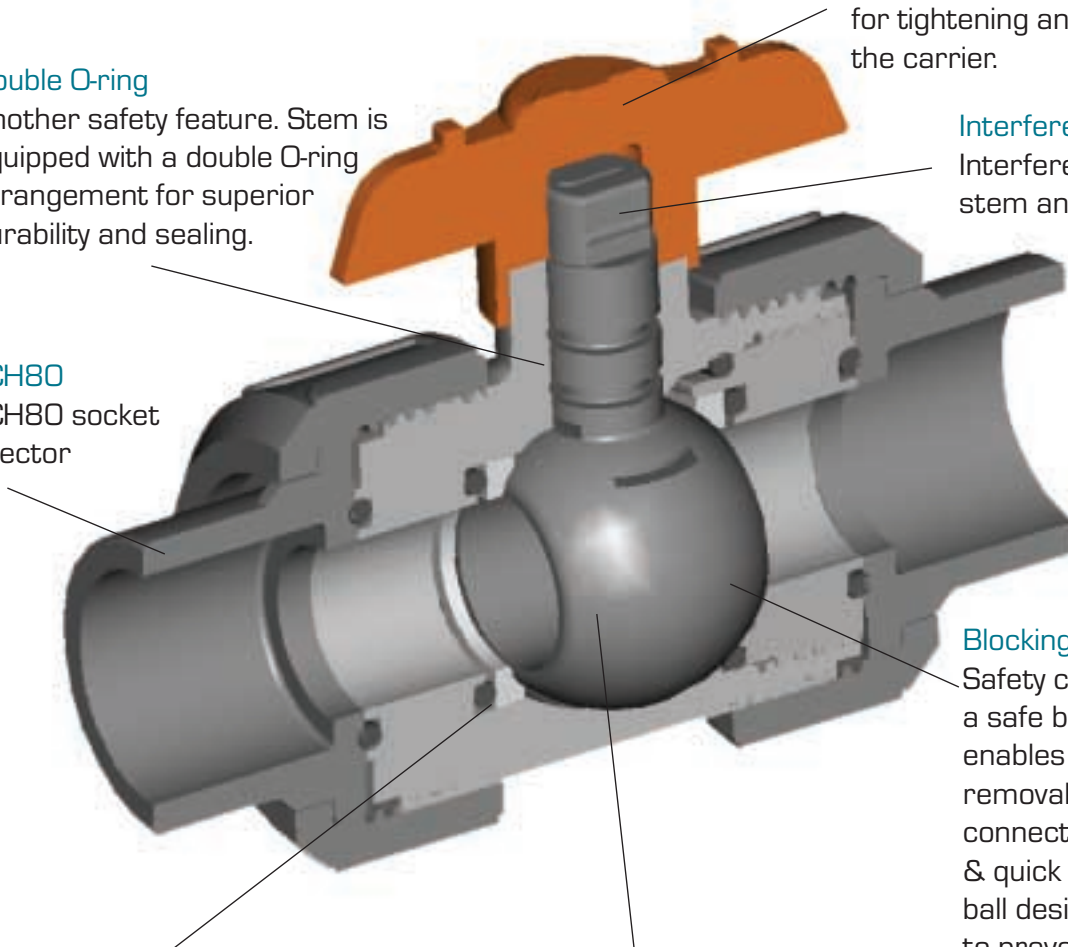
Another safety feature. Stem is equipped with a double O-ring arrangement for superior durability and sealing.

Interference Fit

Interference fit between stem and handle lever.

ASTM SCH80

ASTM SCH80 socket end connector



Blocking Feature

Safety comes first. With a safe blocking design it enables down line pipe removal. True union connectors allow for simple & quick disconnection. The ball design is engineered to prevent the ball from "popping out" when the union nut is loosened during scheduled maintenance.

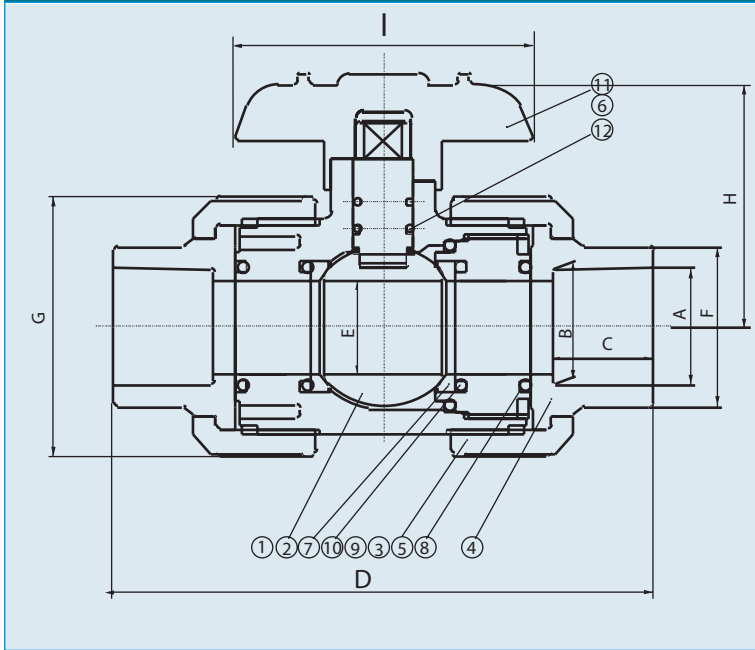
Backing Cushion

Secure and even sealing on the seat is accomplished by use of an O-ring backing cushion behind the PTFE seat.

Full Bore

Excellent flow characteristics due to full orifice opening, equivalent to inside pipe diameter.

Quarter-Bloc Ball Valve



Parts

PARTS			
NO.	DESCRIPTION	PCS.	MATERIAL
1	Body	1	PVC
2	Ball	1	PVC
3	Carrier	1	PVC
4	End Connector	2	PVC
5	Union Nut	2	PVC
6	Stem	1	PVC
7	Seal	2	PTFE
8	O-Ring (A)	2	EPDM
9	O-Ring (B)	1	EPDM
10	O-Ring (C)	2	EPDM
11	Handle	1	ABS
12	O-Ring (E)	2	EPDM

Dimensions

NOMINAL SIZE		PVC/Socket ASTM SCH 80			D	E	F	G	H	I
INCHES	mm	A	B	C						
1/2	15	0.848	0.836	0.875	4.29	0.59	1.14	1.89	2.13	2.95
3/4	20	1.058	1.046	1.000	5.08	0.79	1.38	2.36	2.44	3.15
1	25	1.325	1.310	1.125	5.75	0.98	1.69	2.76	2.68	3.15
1 1/4	32	1.670	1.655	1.250	6.46	1.26	2.09	3.15	3.11	3.94
1 1/2	40	1.912	1.894	1.375	7.24	1.57	2.32	3.78	3.46	4.53
2	50	2.387	2.369	1.500	8.23	1.97	2.84	4.72	4.02	5.12

Weight

NOMINAL SIZE		Socket
INCHES	mm	
1/2	15	0.36
3/4	20	0.63
1	25	0.92
1 1/4	32	1.33
1 1/2	40	1.99
2	50	3.50

Cv Values

NOMINAL SIZE		Cv
INCHES	mm	
1/2	15	14
3/4	20	29
1	25	47
1 1/4	32	72
1 1/2	40	155
2	50	190

Pressure vs Temperature

NOMINAL SIZE		PVC / EPDM (PSI, WATER, NON-SHOCK)	
INCHES	mm	30 °F - 70 °F	71 °F - 120 °F
1/2-2	15-50	230	150

Standard Features

- All Thermoplastic Construction (No Metallic Parts)
- True Union Design
- Blocking Feature in Both Directions
- Full Bore
- Double O-ring Stem Seals
- Handle Doubles as Spanner Wrench for Maintenance
- PTFE Seats with Elastomeric Back Cushion
- NSF Certified

Sample Specifications

All Quarter-Bloc Ball Valves shall be NSF certified. True Union design, with two-way blocking capability. Quarter-Bloc Ball Valves shall feature all thermoplastic construction with no metallic parts and be of full bore design available in sizes 1/2" though 2". All O-Rings shall be EPDM with PTFE seats and elastomeric backing cushions of EPDM. End connectors shall be socket. The handle shall double as end carrier removal tool for disassembling of the valve. PVC shall conform to ASTM D1784 Cell Classification 12454-B. All

Quarter-Bloc Ball Valves shall have a pressure rating of 230 psi. from 30-120 degrees F, as manufactured by Asahi/America Inc.

Chemical Resistance Rating

The Quarter-Bloc Ball Valve is rated for water and light chemical applications ONLY. Please consult the Quarter-Bloc chemical resistance guide for ratings for specific chemicals