

PVC Compact Economy Ball Valve

150 psi at 73°F water—non-shock



Applications

- For water distribution in industrial, residential, commercial and agricultural applications.
- Multiple industrial uses

Materials and Construction

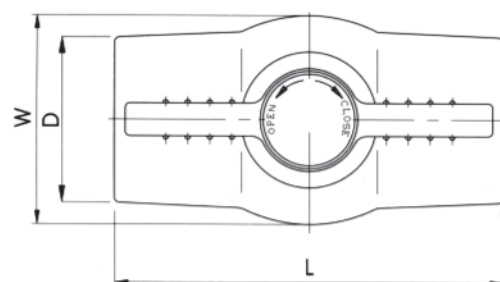
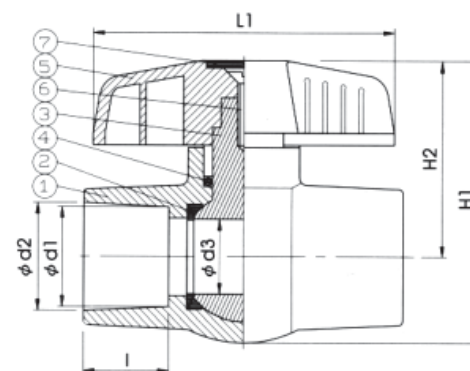
- Sizes 1/2", 3/4", 1", 1¼", 1½" and 2"
- PTFE seat seals
- Gray PVC body, ball and stem
- Threaded NPT (female) or socket connections
- EPDM or FKM stem seals
- Blue ABS handle

Design Criteria

- Durable one-piece molded body
- Excellent flow characteristics
- Socket and threaded end connections per ASTM D2467 for Schedule 80 PVC pipe fittings
- NPT threads per ANSI B1.20.1
- Rated for 150 PSI water service at 73°F and 50 PSI service at 140°F
- Low cost and economical
- Convenient 1/4 turn operation
- Meets NSF standard 14

Chemtrol Figure Numbers

Material	O-Rings	Ends	(1/2" - 2")
PVC	EPDM	Soc.	S45CE-E
PVC	EPDM	Thd.	T45CE-E
PVC	FKM	Soc.	S45CE-V
PVC	FKM	Thd.	T45CE-V



Material List

Part	Specification
1. Body	PVC
2. Seat Seal (2)	PTFE
3. Ball	PVC
4. O-Ring	EPDM, FKM
5. Handle	ABS
6. Bolt	Zinc-Plated Steel
7. Cap	ABS

C_v [GPM/1PSI]

SIZE	C _v
1/2"	8.84
1"	25.24
1¼"	38.53
1½"	51.28
2"	96.67

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions											
In.	mm	Thd./In. (NPT)	d1	d2	d3	D	L	L1	I	H1	H2	W	Weight/lbs.
1/2	15	14	0.84	0.85	0.55	1.18	3.27	2.76	0.87	2.44	1.69	1.50	0.18
3/4	20	14	1.05	1.06	0.79	1.50	3.74	3.46	1.00	3.07	2.13	1.93	0.21
1	25	11.5	1.31	1.32	0.98	1.77	4.17	3.94	1.12	3.66	2.56	2.24	0.49
1¼	32	11.5	1.65	1.67	1.18	2.13	4.48	3.94	1.25	3.86	2.64	2.48	0.64
1½	40	11.5	1.89	1.91	1.42	2.44	5.12	4.29	1.38	4.53	3.07	2.95	0.94
2	50	11.5	2.37	2.39	1.83	3.03	5.79	5.28	1.50	5.31	3.50	3.62	1.50