

BALL VALVES 1/2" TO 4", WITH EXTENSIONS

Features

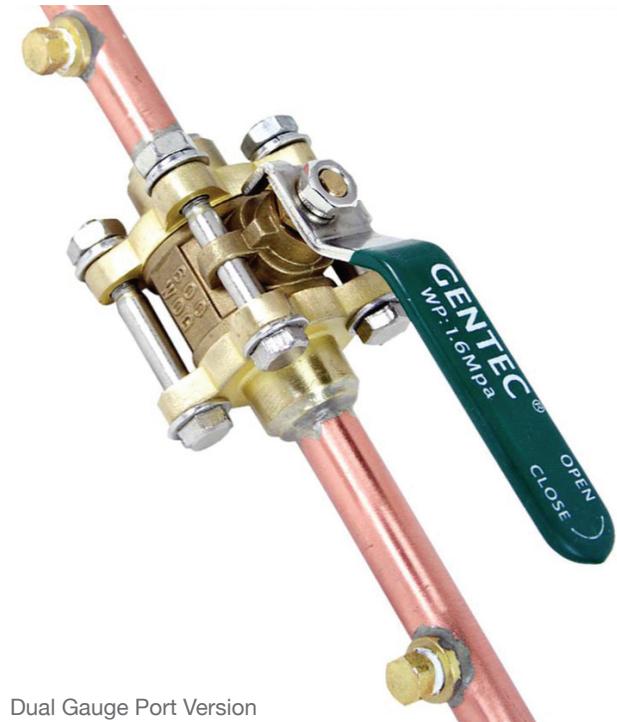
- Available in sizes 1/2" to 4"
- 3 piece design for ease of maintenance
- Quarter-turn, full port design valves
- Blow out proof valve stem
- Teflon® seats and seals
- Dual gauge port version
- Lockable or non-lockable handles available
- Cleaned for oxygen service
- 100% Hydrostatically tested
- NFPA-Compliant

Specifications

Medical gas ball shall be manufactured by Genstar Technologies Co., Inc. (GENTEC®). Ball valves shall be designed for concealed piping installation and available for sizes and services indicated.

Ball valves shall be double seal, three piece in-line serviceable ball-type design, with forged bronze/brass body and chrome-plated brass ball. Only ¼ turn of the handle is required to operate the valve from a fully open to fully closed position. The valves shall have a full port design and incorporate an adjustable packing and a blow-out proof stem.

Ball valves shall be designed for working pressure up to 600 psi WOG. Valve body shall have Teflon® material ball seat and Teflon® material stem seals. Seats/seals, lubricants and valve materials are

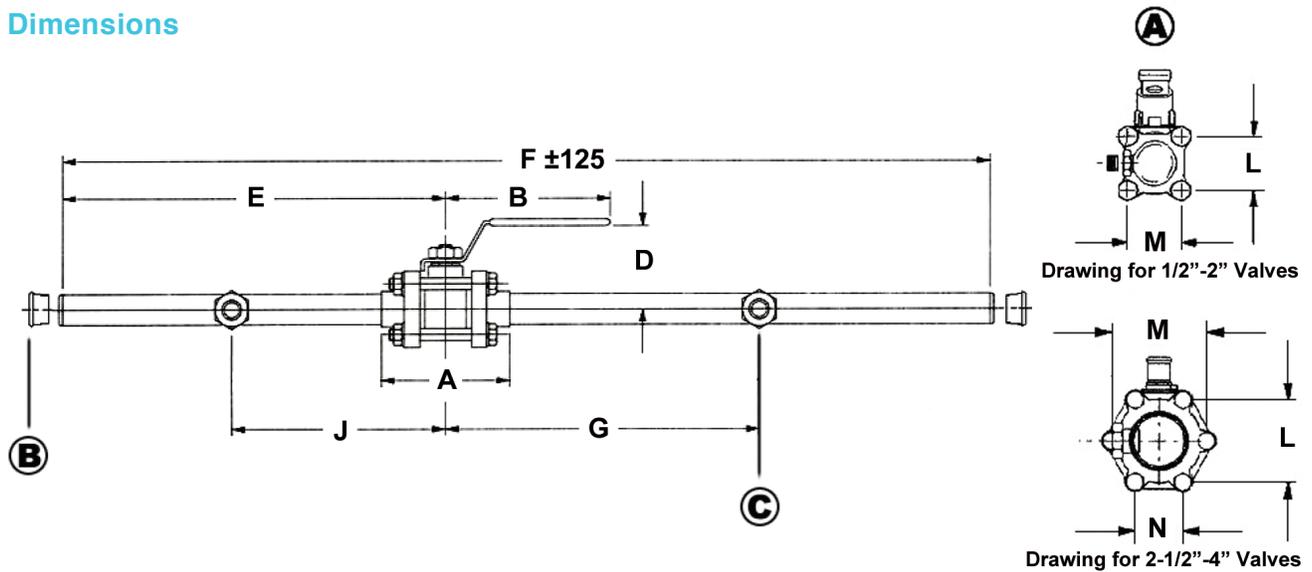


Dual Gauge Port Version

compatible with USP oxygen, nitrous oxide, medical air, carbon dioxide, helium, nitrogen and mixtures thereof at continuous pressure up to 600 psi and vacuum service to 29" Hg. Ball valves shall be provided with type-K copper tube extensions, for making connections to the pipeline and shall include a single gauge/purge port sealed with a brass HEX plug. Locking or nonlocking handles are available (locks furnished and installed by others).

All ball valves shall be supplied clean and prepared for oxygen service in accordance with current CGA G-4.1 standards. All valves shall be 100% tested for leaks and manufactured to comply with the latest edition of NFPA-99. Valves shall be capped and sealed in a polyethylene bag to keep them clean prior to installation.

Dimensions



Dimensional Data Notes:

- A. Four bolts used on 1/2"-2"; Six bolts used on 2 1/2"-4" valves
- B. Extension Cap
- C. Gauge port with 1/8" plug (gauge not supplied)

Dimensions: (Inches)										
Valve Size	A	B	D	E	F	G	J	M	N	L
1/2"	2.62	3.35	1.69	8.20	20.93	5.58	2.38	1.00	1.29	--
3/4"	2.93	4.33	1.89	8.43	21.00	5.28	2.70	1.43	1.43	--
1"	3.44	4.33	2.03	8.58	21.00	5.09	2.89	1.62	1.62	--
1-1/4"	3.96	5.12	2.56	8.74	20.98	5.49	3.24	2.00	2.00	--
1-1/2"	4.43	5.12	2.72	8.86	20.99	4.85	3.38	2.25	2.25	--
2"	5.55	6.30	3.15	9.23	21.06	4.78	3.76	2.81	2.81	--
2-1/2"	6.73	9.06	4.29	8.50	23.50	7.00	4.25	4.33	2.50	5.00
3"	7.56	9.06	4.61	8.50	24.00	7.00	4.50	4.76	2.75	5.50
4"	9.80	11.73	7.90	8.50	32.00	7.90	7.90	6.38	3.73	7.45

Ordering Information

Valve Size	Catalog Number	
	Single Port Ball Valves Locking Handle (Non-Locking)	Dual Port Ball Valves Locking Handle (Non-Locking)
1/2"	VL1-05L1 (VL1-05N1)	VL1-05L2 (VL1-05N2)
3/4"	VL1-07L1 (VL1-07N1)	VL1-07L2 (VL1-07N2)
1"	VL1-10L1 (VL1-10N1)	VL1-10L2 (VL1-10N2)
1-1/4"	VL1-12L1 (VL1-12N1)	VL1-12L2 (VL1-12N2)
1-1/2"	VL1-15L1 (VL1-15N1)	VL1-15L2 (VL1-15N2)
2"	VL1-20L1 (VL1-20N1)	VL1-20L2 (VL1-20N2)
2-1/2"	VL1-25L1 (VL1-25N1)	VL1-25L2 (VL1-25N2)
3"	VL1-30L1 (VL1-30N1)	VL1-30L2 (VL1-30N2)
4"	VL1-40L1 (VL1-40N1)	VL1-40L2 (VL1-40N2)

Valve Locking Handle

