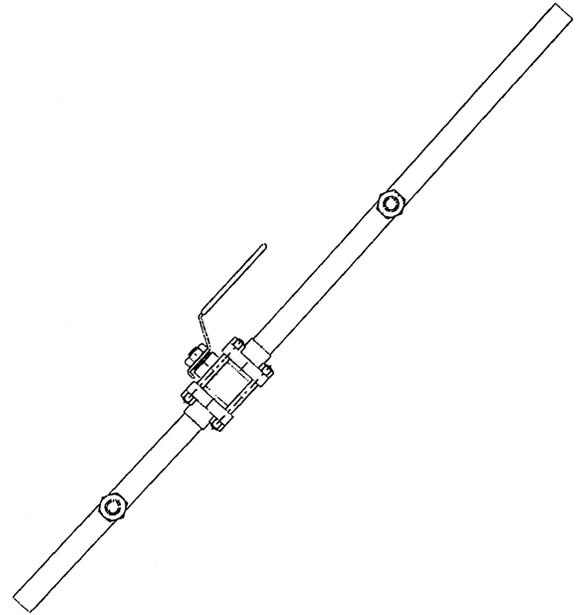




## 1/2" to 4" Dual Port Ball Valves

### Elements

- For control of most common medical gases, including nitrogen and vacuum
- Includes copper extensions and dual gauge ports
- Full port flow-through design reduces gas flow restrictions
- Cleaned for oxygen service per CGA G-4.1
- Durable seals for longer, trouble-free life
- Blow-out proof stem



### Description

All ball valves shall be factory cleaned for oxygen service, individually bagged, and shall conform to NFPA 99 standards.

Each 1/2" to 4" valve consists of Teflon/Viton seats and adjustable stem packing gland with a Teflon stem seal.

All ball valves are rated at 400 psig, as well as full vacuum (29.9" Hg). Valves go from full ON to full OFF by turning the vinyl-gripped valve handle 90°.

Latching handles may be ordered separately when required.

Type K copper tubing is factory installed to help prevent valve seat damage during brazing.

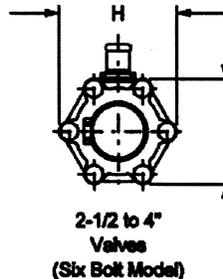
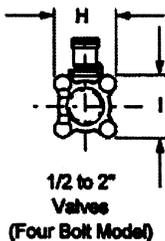
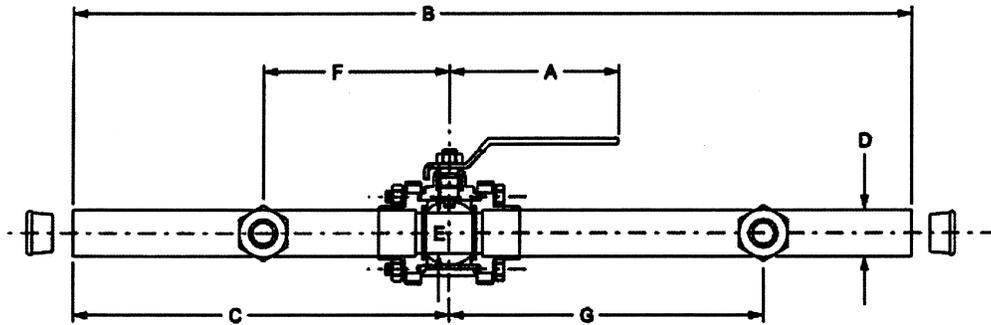
Each valve shall have two gauge ports.

### Materials

- Body - Forged brass
- End plates - Forged brass
- Ball - Chrome-plated brass micro smooth finish up to 4"
- Handle - Plated steel, vinyl grip up to 4"
- Stem - Brass
- Seats/Packing/Stem Seal - Teflon/Viton/EPDM
- Tube Extension - Type K copper

**Dimensional Information**

Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Catalog #	Qty
1/2" (13)	3-11/32 (85)	21 (533)	7-7/8 (200)	5/8 OD (16)	5/8 (16)	2-3/8 (60)	6-3/8 (162)	1-3/4 (44)	1-11/32 (34)	77-03-9002	
3/4" (19)	4-11/32 (110)	21 (533)	8-1/4 (209)	7/8 OD (22)	13/16 (21)	2-11/16 (68)	6-1/16 (154)	1-15/16 (49)	1-15/16 (49)	77-03-9003	
1" (25)	4-11/32 (110)	21 (533)	8-19/32 (218)	1-1/8 OD (29)	1 (25)	2-7/8 (73)	5-7/8 (149)	2-1/8 (54)	2-1/8 (54)	77-03-9004	
1-1/4" (32)	5-1/8 (130)	21 (533)	8-3/4 (222)	1-3/8 OD (35)	1-1/4 (29)	3-1/4 (82)	5-1/2 (140)	2-5/8 (67)	2-5/8 (67)	77-03-9005	
1-1/2" (38)	5-1/8 (130)	21 (533)	8-7/8 (225)	1-5/8 OD (41)	1-1/2 (38)	3-3/8 (86)	5-3/8 (136)	2-25/32 (71)	2-25/32 (71)	77-03-9006	
2" (51)	6-5/16 (160)	21 (533)	10-7/8 (276)	2-1/8 OD (54)	2 (51)	3-3/4 (95)	5 (127)	5-29/32 (150)	5-1/4 (133)	77-03-9008	
2-1/2" (64)	9-1/16 (230)	32 (813)	16 (406)	2-5/8 OD (67)	2 (51)	4-1/4 (108)	4-1/4 (108)	6 (152)	5-1/4 (133)	77-03-9012	
3" (76)	9-1/16 (230)	32 (813)	16 (406)	3-1/8 OD (79)	2-1/2 (64)	4-1/2 (114)	4-1/2 (114)	6-3/4 (171)	5-15/16 (151)	77-03-9013	
4" (102)	11-5/8 (295)	32 (813)	8.5 (216)	4-1/8 OD (105)	3-25/32 (96)	4-1/2 (114)	4-1/2 (114)	8-3/4 (222)	7-3/4 (197)	77-03-9014	



All specifications are nominal and subject to change without notice.

Warranty:  
See Allied Statement of Warranties for details

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