



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist:	

### DESCRIPTION

Apollo® 3-piece cast bronze valves are intended for medical gas applications. Featuring copper phos brazed tube extensions, this valve can be soldered or brazed into the piping system without disassembly. The 3-piece design allows for in-line serviceability. Valves are cleaned and bagged for oxygen service, and available with a locking and non-locking levers and no gauge ports.

### OUTSIDE THE ZONE BOX

NFPA 99 requires the valves to be secured in the open position. For medical gas applications that are Outside-the-Zone-Box, Apollo® offers three standard configurations: "F1" (1 gauge port), "F3" (2 gauge ports) & no gauge ports (w/ locking handles).

### FEATURES

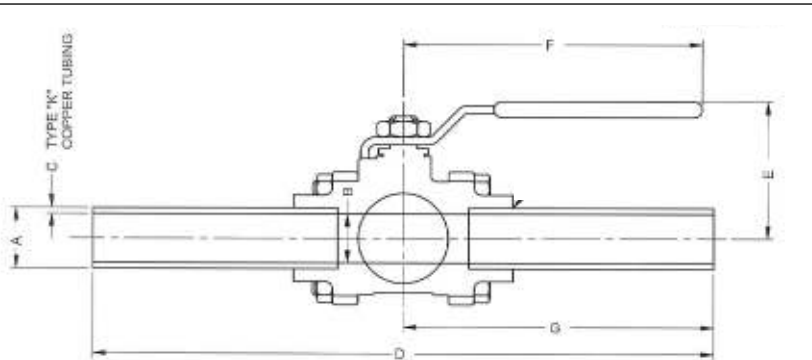
- Cast Bronze Valve Body & Valve End Caps
- RPTFE Seats and Stuffing Box Ring
- MSS SP-110 - "Ball Valves Threaded, Socket Welding, Solder Joint, Grooved & Flared Ends"
- 600 psig CWP Non-Shock (3" & 4" 400 CWP)
- Vacuum Service to 29" Hg
- Full Port in All Sizes
- Blowout-Proof Stem Design

- Adjustable Packing Nut
- In-Line Repairable
- Locking Handle Option
- Cleaned for Oxygen Service per CGA G4.1 & NFPA 99
- Factory Brazed, Male Extensions for Solder or Brazed Installation Without Disassembly
- Type K Copper Tubing Brazed into Both End Caps
- **Made in USA**

*\*Also available with 6" female extensions*

### STANDARD MATERIALS LIST

<b>LEVER AND GRIP</b>	Steel, Zinc Plated w/ Vinyl or Stainless Steel w/ Vinyl
<b>STEM PACKING</b>	RPTFE
<b>STEM BEARING</b>	RPTFE
<b>BALL</b>	Brass B16, Chrome Plated or 316 SS
<b>SEAT (2)</b>	RPTFE
<b>END CAP (2)</b>	Bronze B584-C84400
<b>GLAND</b>	Brass B16
<b>STEM</b>	Brass B16 or 316 SS
<b>LEVER NUT</b>	Steel, Zinc Plated or SS
<b>BODY BOLT</b>	Steel, Zinc Plated or SS
<b>HEX NUT</b>	Steel, Zinc Plated or SS
<b>BODY</b>	Bronze B584-C84400
<b>EXTENSION</b>	Type K Copper Tubing
<b>BRAZING ALLOY</b>	Copper Phos Paste
<b>CAP PLUGS</b>	(not shown)



### DIMENSIONS

STANDARD		OXYGEN CLEANED					SIZE (IN.)	DIMENSIONS (IN.)								WT. (LB.)	
TRIM PLATED PART NUMBER	316SS BALL & STEM PART NUMBER	TRIM PLATED PART NUMBER	316SS BALL & STEM PART NUMBER	316SS BALL, STEM & EXT. TRIM PART NUMBER	TRIM PLATED PART NUMBER	316SS BALL & STEM PART NUMBER		A	B	C	D	E	LOCKING F	NON LOCKING F	G		H
W/ NON-LOCKING HANDLE		W/ NON-LOCKING HANDLE		W/ LOCKING HANDLE													
82-203-B8	82-243-A8	82-203-K1	82-243-K1	82-243-C4	82-203-G3	82-243-G3	1/2"	5/8	0.62	0.049	13.81	2.00	4.87	5.28	6.00	5.50	1.7
82-204-A8	82-244-B3	82-204-K1	82-244-K1	82-244-C6	82-204-G3	82-244-G3	3/4"	7/8	0.81	0.065	13.93	2.18	4.87	5.28	6.00	5.25	2.4
82-205-B7	82-245-B1	82-205-K1	82-245-K1	82-245-E3	82-205-G3	82-245-G3	1"	1-1/8	1.00	0.065	14.04	2.62	5.50	6.25	6.00	5.09	3.4
82-206-B7	82-246-B0	82-206-K1	82-246-K1	82-246-C0	82-206-G3	82-246-G3	1-1/4"	1-3/8	1.25	0.065	14.75	2.89	5.50	6.25	6.00	5.03	5.5
82-207-B2	82-247-B2	82-207-K1	82-247-K1	82-247-C6	82-207-G3	82-247-G3	1-1/2"	1-5/8	1.50	0.072	15.07	3.37	8.00	8.92	6.00	4.91	8.5
82-208-B7	82-248-B2	82-208-K1	82-248-K1	82-248-C4	82-208-G3	82-248-G3	2"	2-1/8	2.00	0.083	15.23	3.70	8.00	8.92	6.00	4.66	14.2
82-209-A2	82-249-A2	82-209-K1	82-249-K1	-	82-209-G3	82-249-G3	2-1/2"	2-5/8	2.50	0.095	23.51	5.14	9.38	10.06	9.60	8.13	26.8
-	82A-240-A2	-	82A-240-K1	-	-	-	3"	3-1/8	3.00	0.109	24.00	6.77	18.00*	-	9.40	7.76	42.24
-	82A-24A-A0	-	82A-24A-K1	-	-	-	4"	4-1/8	4.00	0.134	25.50	8.26	18.00*	-	9.41	7.25	106.0

\*3" & 4" valves come standard with SS ball and stem (not optional) and adjustable length locking handles.