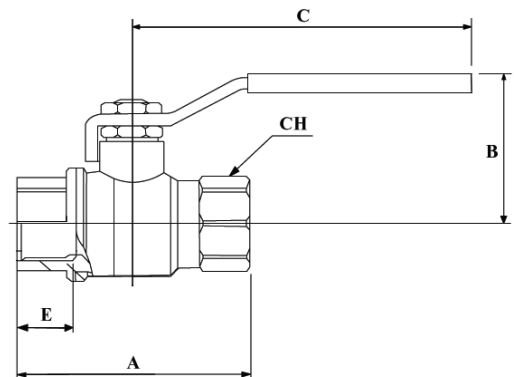
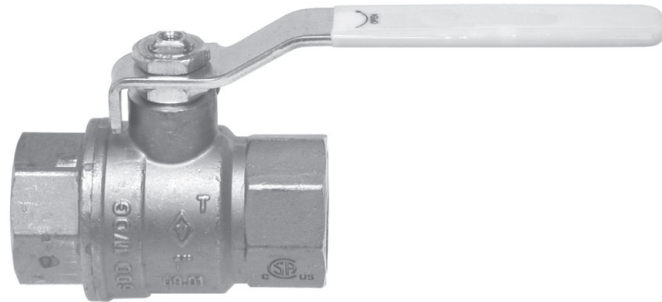


# Economy Ball Valves

## Female X Female: Full Port

### FEATURES:

- Threaded Ends to ANSI B1.20.1
- Each Valve Individually Tested
- Hard Chromium Plated Solid Ball
- 600 psi Non-Shock Cold Water/Oil/Gas (WOG)
- 150 psi Saturated Steam
- Forged Construction - Greater Strength
- Bottom Entry, Blow-out Proof Stem
- Double Stem Packing, Teflon Seats
- Operating Temperature: Min. -20°F (-40°C); Max. 248°F (120°C)

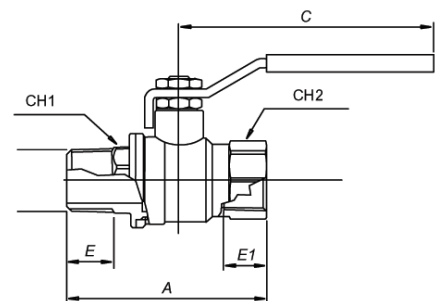
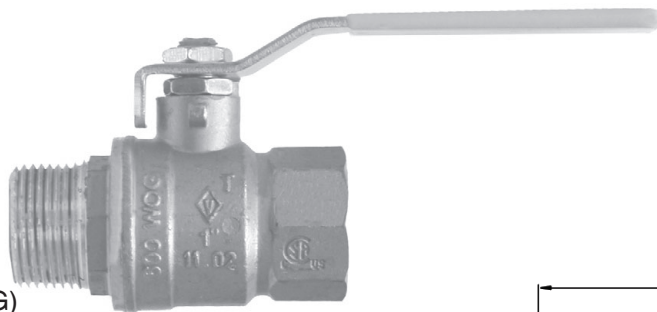


Female X Female									
PART NO.	SIZE	DIMENSIONS					PRICE EACH		
		"A"	"B"	"C"	"E"	"CH"	1-9	10-24	25+
EBV-14	1/4"	1.96"	1.57"	3.43"	.43"	.74"	\$3.80	\$3.70	\$3.55
EBV-38	3/8"	1.96"	1.57"	3.43"	.43"	.86"	\$3.85	\$3.75	\$3.60
EBV-12	1/2"	2.28"	1.77"	3.35"	.61"	.94"	\$4.60	\$4.50	\$4.25
EBV-34	3/4"	3.44"	1.89"	3.35"	.64"	1.22"	\$6.70	\$6.50	\$6.25
EBV-1	1"	3.03"	2.20"	4.61"	.75"	1.50"	\$10.45	\$10.15	\$9.70
EBV-114	1 1/4"	3.46"	2.36"	4.61"	.77"	1.89"	\$15.35	\$14.90	\$14.30
EBV-112	1 1/2"	3.94"	3.15"	6.30"	.77"	2.12"	\$22.75	\$22.10	\$21.15
EBV-2	2"	4.45"	3.15"	6.30"	.79"	2.63"	\$35.55	\$34.50	\$33.10

## Male X Female: Full Port

### FEATURES:

- Threaded Ends to ANSI B1.20.1
- Each Valve Individually Tested
- Hard Chromium Plated Solid Ball
- 600 psi Non-Shock Cold Water/Oil/Gas (WOG)
- 150 psi Saturated Steam
- Forged Construction - Greater Strength
- Bottom Entry, Blow-out Proof Stem
- Double Stem Packing, Teflon Seats
- Operating Temperature: Min. -20°F (-40°C); Max. 248°F (120°C)



Male X Female											
PART NO.	SIZE	DIMENSIONS							PRICE EACH		
		"A"	"B"	"C"	"E"	"E1"	"CH1"	"CH2"	1-9	10-24	25+
EBV-14MXF	1/4"	2.28"	1.49"	3.35"	.46"	.51"	.55"	.74"	\$6.75	\$6.55	\$6.25
EBV-38MXF	3/8"	2.37"	1.57"	3.35"	.46"	.51"	.71"	.86"	\$7.35	\$7.15	\$6.80
EBV-12MXF	1/2"	2.28"	1.49"	3.35"	.61"	.59"	.85"	.96"	\$8.90	\$8.65	\$8.30
EBV-34MXF	3/4"	2.87"	1.57"	3.35"	.66"	.63"	1.10"	1.22"	\$14.05	\$13.65	\$13.10
EBV-1MXF	1"	3.42"	1.93"	5.20"	.77"	.75"	1.36"	1.50"	\$20.60	\$20.00	\$19.20
EBV-114MXF	1 1/4"	3.94"	2.36"	4.72"	.79"	.76"	1.69"	1.89"	\$36.05	\$35.00	\$33.60
EBV-112MXF	1 1/2"	4.25"	3.00"	6.34"	.81"	.76"	2.12"	2.12"	\$49.90	\$48.40	\$46.50
EBV-2MXF	2"	4.96"	2.95"	6.34"	.84"	.76"	2.40"	2.63"	\$75.50	\$73.25	\$70.25

# Premium Ball Valves - by Apollo™



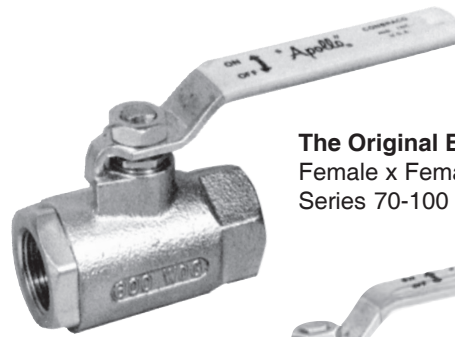
## FEATURES:

- Reinforced TFE Seats and Stuffing Box Ring
- Chromium-plated Ball
- Blow-out-proof Stem Design
- Adjustable Packing Gland

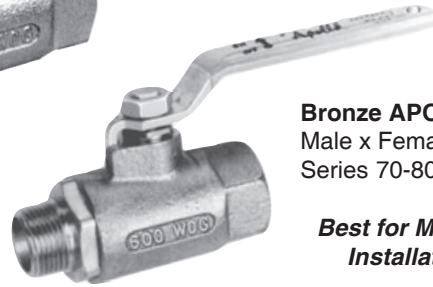
## MATERIAL LIST:

Part:	Specification:
1. Lever and Grip .....	Steel, Zinc-plated w/ Vinyl
2. Stem Packing .....	Reinforced TFE
3. Stem Bearing .....	Reinforced TFE
4. Ball .....	Chromium-plated Brass
5. Seat (2) .....	Reinforced TFE
6. Retainer .....	Brass
7. Gland Nut .....	Brass
8. Stem .....	Brass
9. Lever Nut .....	Steel, Zinc-plated
10. Seal (1 1/4" only) .....	Reinforced TFE
11. Body .....	Bronze Cast

**ISO-9001  
RATED**

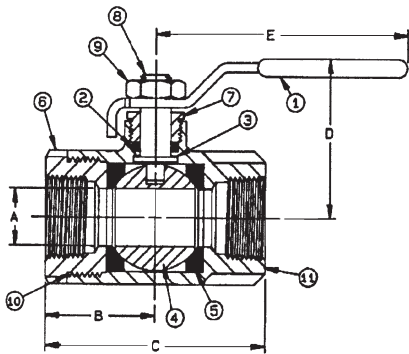


**The Original Bronze APOLLO™**  
Female x Female  
Series 70-100

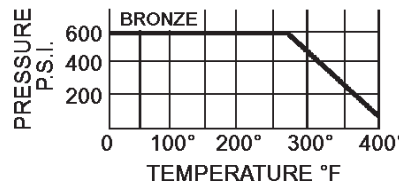


**Bronze APOLLO™**  
Male x Female  
Series 70-800

**Best for Manifold  
Installation!**



## PRESSURE/TEMP. RATINGS RTFE SEATED VALVES



Threaded, 600 PSIG WOG  
Cold Non-Shock  
150 PSIG Saturated Steam  
Vacuum Service to 29" Hg

**FEDERAL SPECIFICATIONS:**  
WW-V35C    Type: II  
Style: 3      Composition: BZ

PART NO.	SIZE	"A"	"B"	"C"	"D"	"E"	Cv* FACTOR	WT/100	PRICE EACH		
									1-9	10-24	25+
<b>Female X Female</b>											
BV-70-101	1/4"	.37"	1.03"	2.06"	1.75"	3.87"	6.8	60#	\$13.05	\$12.80	\$12.40
BV-70-102	3/8"	.37"	1.03"	2.06"	1.75"	3.87"	6.8	56#	\$13.05	\$12.80	\$12.40
BV-70-103	1/2"	.50"	1.12"	2.25"	1.75"	3.87"	9.8	64#	\$13.05	\$12.80	\$12.40
BV-70-104	3/4"	.68"	1.50"	3.00"	2.12"	4.87"	25.0	139#	\$21.55	\$21.15	\$20.50
BV-70-105	1"	.87"	1.68"	3.37"	2.25"	4.87"	35.0	172#	\$27.15	\$26.60	\$25.80
BV-70-106	1 1/4"	1.00"	2.00"	4.00"	2.62"	5.50"	47.0	326#	\$45.55	\$44.65	\$43.30
BV-70-107	1 1/2"	1.25"	2.18"	4.37"	3.06"	8.00"	81.0	463#	\$58.15	\$57.00	\$55.25
BV-70-108	2"	1.50"	2.34"	4.68"	3.25"	8.00"	105.0	606#	\$72.85	\$71.40	\$69.20
BV-70-109	2 1/2"	2.50"	3.25"	6.50"	4.12"	8.00"	440.0	1725#	\$343.65	\$336.80	\$326.50
BV-70-100	3"	2.50"	3.37"	6.75"	4.12"	8.00"	390.0	1860#	\$396.50	\$388.60	\$376.60
<b>Male X Female</b>											
BV-70-801	1/4"	.31"	1.40"	2.43"	1.75"	3.87"	6.8	63#	\$15.60	\$15.30	\$14.85
BV-70-802	3/8"	.37"	1.46"	2.50"	1.75"	3.87"	6.8	60#	\$15.60	\$15.30	\$14.85
BV-70-803	1/2"	.50"	1.68"	2.81"	1.81"	3.87"	9.8	72#	\$15.60	\$15.30	\$14.85
BV-70-804	3/4"	.68"	2.00"	3.50"	2.12"	4.87"	25.0	142#	\$24.90	\$24.40	\$23.65
BV-70-805	1"	.87"	2.31"	4.00"	2.25"	4.87"	35.0	193#	\$35.55	\$34.85	\$33.80
BV-70-806	1 1/4"	1.00"	2.31"	4.31"	2.62"	5.50"	47.0	319#	\$56.95	\$55.85	\$54.10

\*The Cv factor is the gallons of water per minute that the valve will pass with 1 psi pressure drop.

## Replacement Handles for Apollo™ Ball Valves

PART NO.	SIZE	PRICE EACH
BVRH-SM	1/4", 3/8", 1/2"	\$3.00
BVRH-LG	3/4" - 1"	\$3.95
BVRH-XL	1 1/4" - 2"	\$5.25



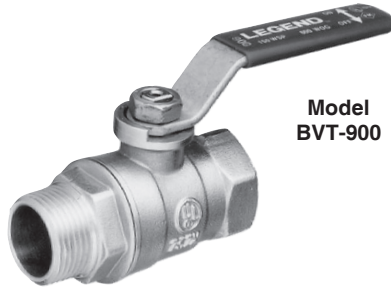
**We can supply ALL your  
Apollo™ valve needs!**



# Miniature Male X Female Ball Valves

**IDEAL FOR LIMITED SPACE!**

**Male X Female Best for Manifold Installation!**



Model BVT-900



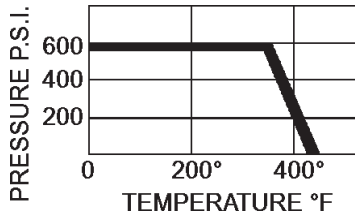
Model BVT-900T

**MATERIAL LIST:**

- Handle Nut ..... Coated Steel
- Handle ..... Coated Steel
- Packing Nut ..... Brass
- Stem Packing ..... Teflon™
- Thrust Washer ..... Teflon™
- Stem ..... Brass
- Ball ..... Chrome-plated Brass
- Seats ..... Teflon™
- Body ..... Forged Brass
- End Adapter ..... Forged Brass

*Teflon is a registered TM of Dupont, Inc.*

**VALVE SEAT RATING:**

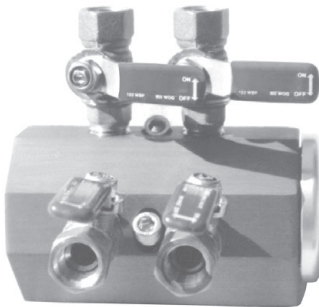


**ISO-9002 RATED**

**Large Port Forged Brass**

**PRESSURE RATING:**

- 1/4" ..... 400 W.O.G., Non-Shock
  - 3/8" - 3/4" ..... 600 W.O.G., Non-Shock
  - 1" ..... 500 W.O.G., Non-Shock
- All sizes are rated at 150 W.S.P.



This picture shows our standard M4 manifold (M4BD4-14) with 1/4" Miniature Ball Valves (BVT-900-14).

PART NO.	SIZE	DIMENSIONS				PRICE EACH		
		"A"	"B"	"C"	"D"	1-24	25-99	100+
<b>MODEL BVT-900</b>								
BVT-900-18	1/8"	1.80"	1.41"	0.29"	1.72"	\$8.45	\$8.15	\$7.60
BVT-900-14	1/4"	1.80"	1.41"	0.32"	1.65"	\$8.45	\$8.15	\$7.60
BVT-900-38	3/8"	2.15"	1.70"	0.39"	3.06"	\$10.95	\$10.55	\$9.80
BVT-900-12	1/2"	2.50"	1.86"	0.50"	3.06"	\$12.20	\$11.80	\$11.00
BVT-900-34	3/4"	2.90"	2.50"	0.69"	3.81"	\$20.25	\$19.55	\$18.25
BVT-900-1	1"	3.33"	2.78"	0.89"	3.81"	\$29.55	\$28.50	\$26.60
<b>MODEL BVT-900T "T" HANDLE</b>								
BVT-900T-18	1/8"	1.80"	1.35"	0.29"	--	\$8.45	\$8.15	\$7.60
BVT-900T-14	1/4"	1.80"	1.35"	0.32"	--	\$8.45	\$8.15	\$7.60
BVT-900T-38	3/8"	2.15"	1.88"	0.39"	--	\$10.95	\$10.55	\$9.80
BVT-900T-12	1/2"	2.50"	2.00"	0.50"	--	\$12.20	\$11.80	\$11.00
BVT-900T-34	3/4"	2.90"	2.30"	0.69"	--	\$20.25	\$19.55	\$18.25

