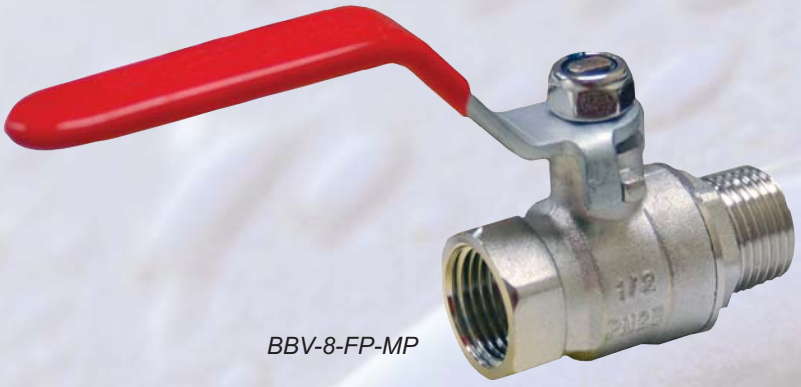
HYVAIR

INDUSTRIAL FLUID POWER COMPONENTS
AND SYSTEMS

B SERIES

Brass Ball Valves

BBV-6-FP



BBV-8-FP-MP

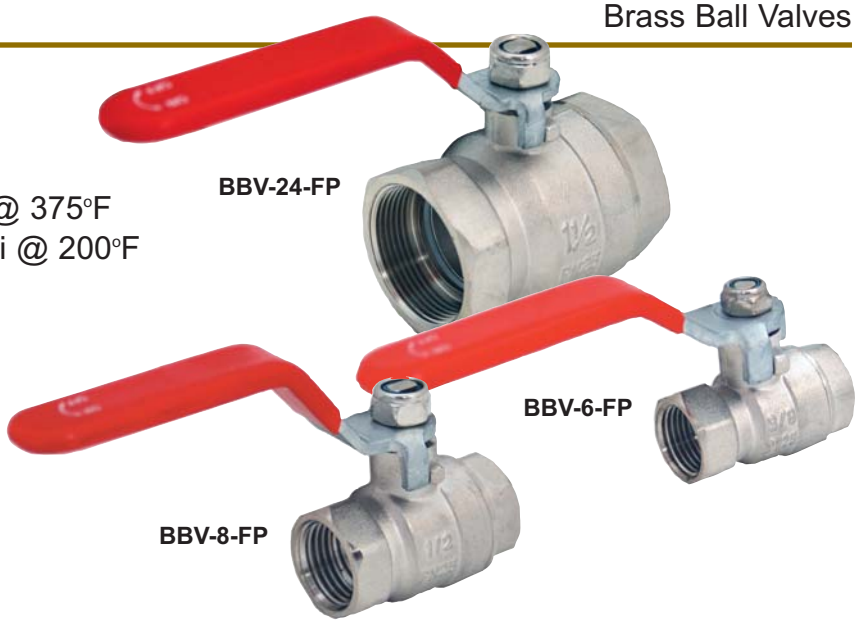
BBV-24-FP

31341 Friendship Drive, Magnolia, TX 77355 • Tel.: 281-259-7768 Fax: 281-259-7249 • www.hyvair.com

B Series
Brass Ball Valves

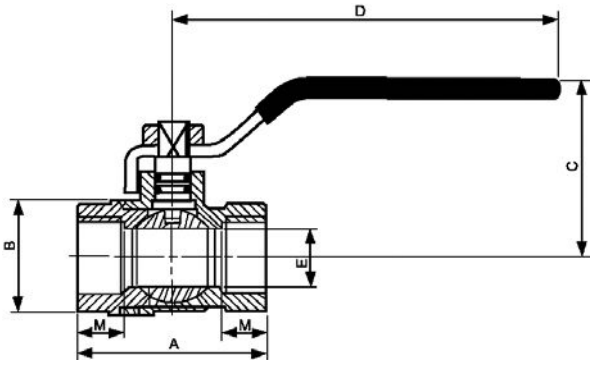
Specifications

- 1/4” thru 4” NPT
- Pressure Ratings:
  1/4” thru 2”: 600 psi @ 100°F, 100 psi @ 375°F
  2-1/2” thru 4”: 400 psi @ 100°F, 100 psi @ 200°F
- Materials:
  Body - Brass
  Bonnet - Brass
  Ball Seat - PTFE
  Ball - Brass
  Stem - Brass
  O Ring - NBR
  Handle - Steel
  Nut - Steel



Dimensional Data

Units: mm (inches)



SIZE (NPT)	Model	A	B	C	D	E	M
1/4” female	BBV-4FP	40.3(1.58)	23(0.90)	39.4(1.55)	85(3.35)	9(0.35)	8.5(0.33)
3/8” female	BBV-6FP	40.3(1.58)	23(0.90)	39.4(1.55)	85(3.35)	9(0.35)	8.5(0.33)
3/8” female x male	BBV-6FP-6MP	54(2.13)	24(0.94)	43(1.69)	88(3.46)	9.8(0.39)	12(0.47)
1/2” female	BBV-8FP	48.5(1.91)	29.5(1.16)	47.5(1.87)	98(3.86)	14.8(0.58)	10.8(0.42)
1/2” female x male	BBV-8FP-8MP	57.4(2.26)	27.5(1.08)	55(2.17)	95(3.74)	13.6(0.54)	18(0.71)
3/4” female	BBV-12FP	54.6(2.15)	35.5(1.40)	51(2.00)	98(3.86)	19(0.75)	11(0.43)
3/4” female x male	BBV-12FP-12MP	68.5(2.70)	32(1.26)	58(2.28)	95(3.74)	19(0.75)	17(0.67)
1” female	BBV-16FP	64(2.52)	42.7(1.68)	61(2.40)	123(4.84)	24(0.94)	13.5(0.53)
1” female x male	BBV-16FP-16MP	83(3.27)	38(1.50)	61(2.40)	126(4.96)	24(0.94)	18(0.71)
1-1/4” female	BBV-20FP	76(2.99)	53(2.08)	72.5(2.85)	142(5.59)	30.2(1.19)	15(0.59)
1-1/2” female	BBV-24FP	87(3.42)	63(2.48)	77.5(3.05)	142(5.59)	37(1.45)	16.5(0.65)
2” female	BBV-32FP	97(3.82)	79(3.11)	86(3.38)	165(6.49)	47(1.85)	16.5(0.65)
2-1/2” female	BBV-40FP	132(5.19)	103(4.05)	115.5(4.55)	225(8.86)	62(2.44)	24(0.94)
3” female	BBV-48FP	152.4(6.0)	121(4.76)	124(4.88)	225(8.86)	74(2.91)	26.5(1.04)
4” female	BBV-64FP	179(7.04)	145(5.71)	135.5(5.33)	250(9.84)	90(3.54)	30(1.18)

Ordering Information

BBV - 12 - FP - MP

B Series
Brass Ball Valve

Port Size
4 = 1/4”
6 = 3/8”
8 = 1/2”
12 = 3/4”
16 = 1”
20 = 1-1/4”
24 = 1-1/2”
32 = 2”
40 = 2-1/2”
48 = 3”
64 = 4”

Connection
FP = Female Pipe

Connection
MP = Male Pipe

MP available for sizes 3/8”, 1/2”, 3/4” & 1” only

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