

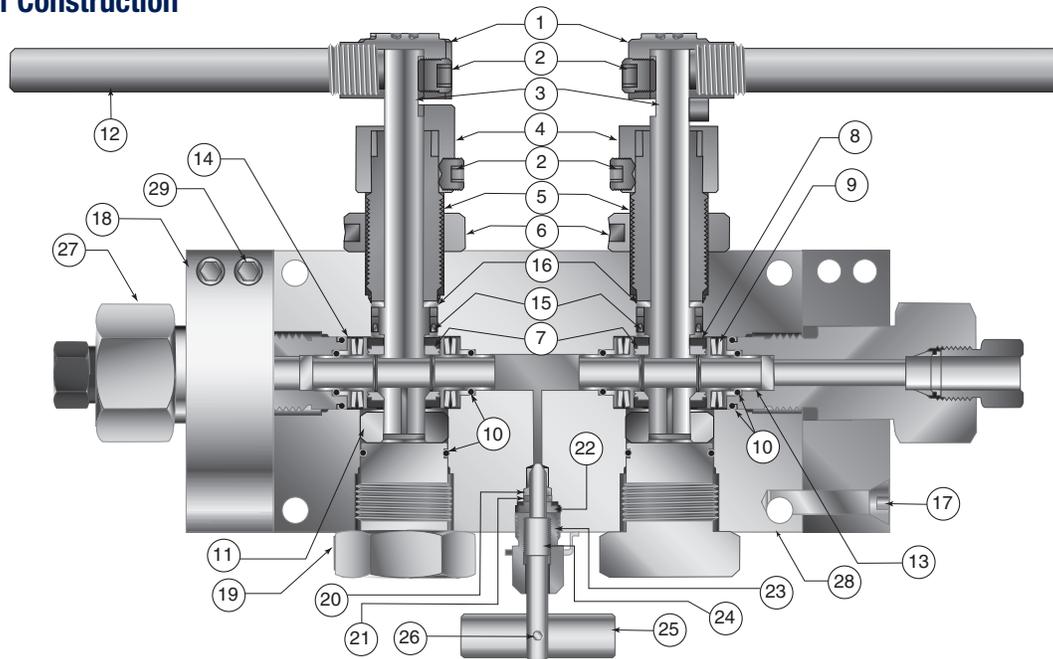


## MADBB Double Block and Bleed Ball Valves

Orifice Size	Part Number	MAWP PSI	Connection	Inches	C <sub>v</sub>
				Minimum Valve Orifice	
3/8"	4MP7-MADBB6LPK-V-SS	15,000	1/4" MPI	0.125	.34
	6MP7-MADBB6LPK-V-SS	15,000	3/8" MPI	0.250	1.8
	8MP7-MADBB6LPK-V-SS	15,000	1/2" MPI	0.312	2.1
	9MP7-MADBB6LPK-V-SS	15,000	9/16" MPI	0.322	2.4
5/8"	12MP7-MADBB10LPK-V-SS	15,000	3/4" MPI	0.531	6.4
	16MP7-MADBB10LPK-V-SS	12,500	1" MPI	0.625	8.1

For 2507 Super Duplex option, replace **-SS** with **-2507** and use **-XF** ferrule sets for sizes 12 and 16 and increase MAWP to 15,000 psi. Dimensions in inches are for reference only, subject to change. All vent connections are sized at 1/4 FNPT. Other vent connections are available upon request. Please consult your local representative.

### Material of Construction



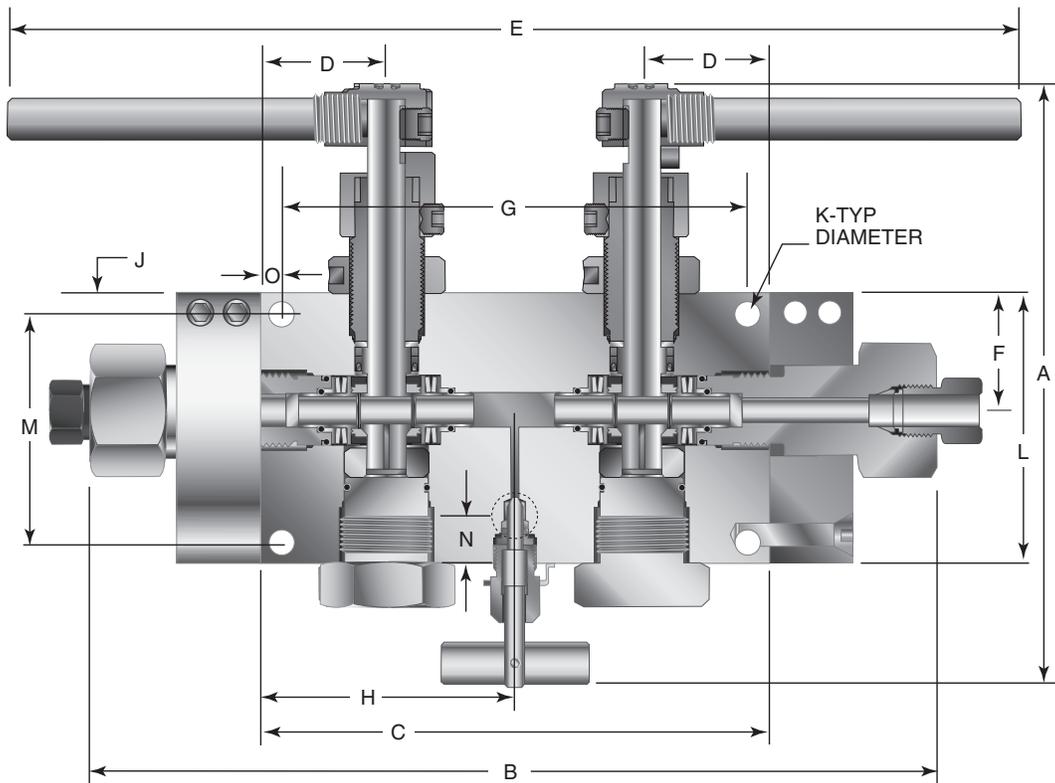
MPI™ Medium Pressure Valves

Item#	Description	Material
1	Handle Hub	316 SS
2	Set Screw	Stainless
3	One piece Ball and Stem	316 CW SS
4	Stopping Device	316 SS
5	Packing Gland	316 CW SS
6	Locking Piece	316 SS
7	Seat	Carbon Filled Peek
8	Seat Retainer	15-5 PH SS
9	Belleville Washer	17-7 PH
10	O-Ring	Viton
11	Bottom Bearing	Peek
12	Handle	304 SS
13	Stress Riser Backup	15-5 PH SS
14	Belleville Washer Backup	316 CW SS
15	Spring Energized Seal	Graphite/Carbon PTFE

Item#	Description	Material
16	Thrust Washer	Ampco 45
17	Screw	316 SS
18	Locking Device	316 SS
19	Bottom Gland	316 CW SS
20	Bottom Washer	316 SS
21	Packing	PTFE
22	Packing Washer	Ampco 45
23	Packing Gland	316 SS
24	Stem	316 SS
25	Handle	316 SS
26	Spring Pin	18-8 SS
27	Seat Gland	316 CW SS
28	Body	316 SS
29	Screw	316 SS

Note: MADBB Valves cannot be repaired in field and as such, no repair kits are identified

## Dimensions

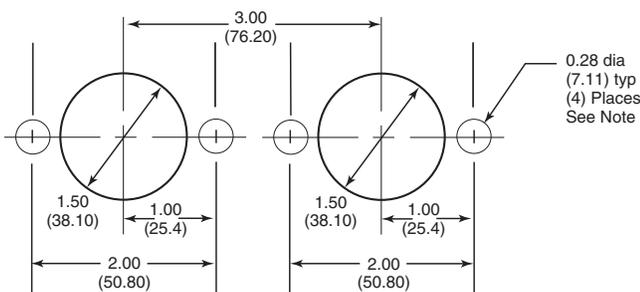


Orifice Size	Inches (mm)														
	A	B	C	D	E	F	G	H	J	K	L	M	N Vent Connection	O	Block Th'k
3/8"	7.14 (181.35)	11.17 (283.72)	6.00 (152.44)	1.50 (38.10)	12.98 (329.69)	1.38 (35.11)	5.00 (127.00)	3.00 (76.20)	0.41 (10.41)	0.28 (7.11)	3.19 (81.15)	2.38 (60.55)	0.65 (16.54)	0.50 (12.72)	1.75 (44.45)
5/8"	13.02 (330.71)	15.40 (391.16)	10.50 (266.70)	2.66 (67.67)	27.45 (697.23)	2.53 (64.36)	8.69 (220.73)	5.25 (133.35)	0.72 (18.32)	0.41 (10.41)	5.25 (133.35)	3.81 (96.93)	1.75 (44.45)	0.91 (23.11)	3.00 (76.20)

Dimensions in inches are for reference only, subject to change.

## Panel Hole Sizes

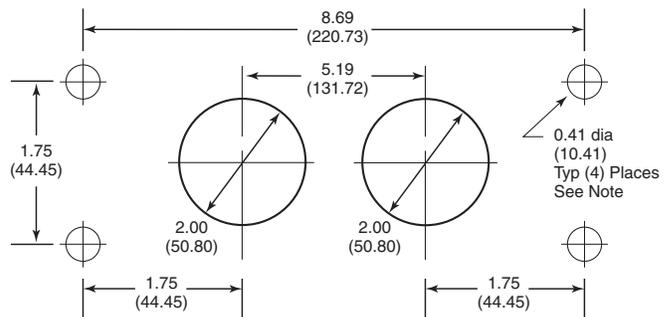
### DBB6 Panel Hole Size



All dimensions are for reference only and are subject to change without notice.

Note: Body Top Mount 1/4-20 Thread

### DBB10 Panel Hole Size



All dimensions are for reference only and are subject to change without notice.

Note: Body Top Mount 3/8-16 Thread



## How to Order MADBB Series Ball Valves

The correct part number is easily derived from the following example and ordering chart. The nine product characteristics required are coded as shown in the chart.

Typical part number example: **4MP7-MADBB6LPK-V-SS-LD** (part number is created based on customer selection of product parameters, see below for example)

4	MP7	-	MADBB	6	L	PK	-	V	-	SS	-	LD
Inlet/Outlet Connection Size	Connection Type		Valve Series	Orifice Size	Valve Type	Seat Material		Seal Material		Body Material		Options
4 = 1/4" 6 = 3/8" 8 = 1/2" 9 = 9/16" 12 = 3/4" 16 = 1"	<b>MP7=</b> Parker MPI™		<b>MADBB</b>	6 = 3/8" 10 = 5/8"	<b>L=</b> 2 Way	<b>PK=</b> PEEK		<b>V***=</b> Fluorocarbon Rubber  <b>KZ=</b> FFKM Highly Fluorinated Fluorocarbon Rubber  <b>BN=</b> Nitrile Rubber  <b>EPR=</b> Ethylene Propylene Rubber		<b>SS=</b> Stainless Steel  <b>2507=</b> Super Duplex		<b>LD=</b> Lock Out Device  <b>XF=</b> High Strength Ferrules for 2507 SD sizes 12 & 16 only
								*** Standard o-ring material				

MPI™ Medium Pressure Valves

## Options

Standard valve has Fluorocarbon Rubber o-rings [0° to 400°F (-18° to 204°C)].

**KZ** - Standard valve with FFKM Highly Fluorinated Fluorocarbon Rubber o-rings [30° to 500°F (0° to 260°C)].

**BN** - Standard valve with Buna-N (Nitrile) Rubber o-rings [-20° to 250°F (-29° to 121°C)].

**EPR** - Standard valve with Ethylene Propylene Rubber o-rings [-20° to 250°F (-29° to 121°C)].

**LD** - Standard valve with factory-installed lock out device.