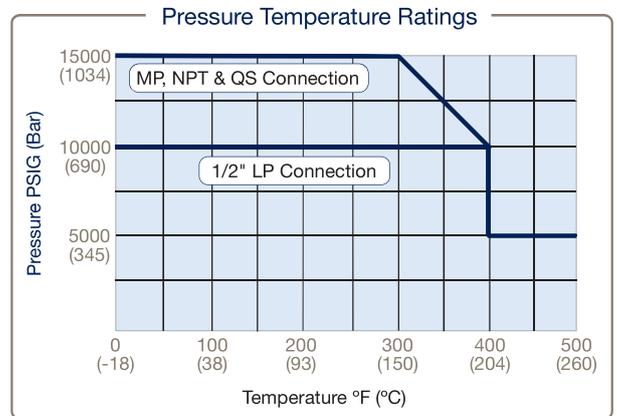


6DB Series: .323" (8.20mm) Orifice - Pressures to 15,000 psi (1034 bar)



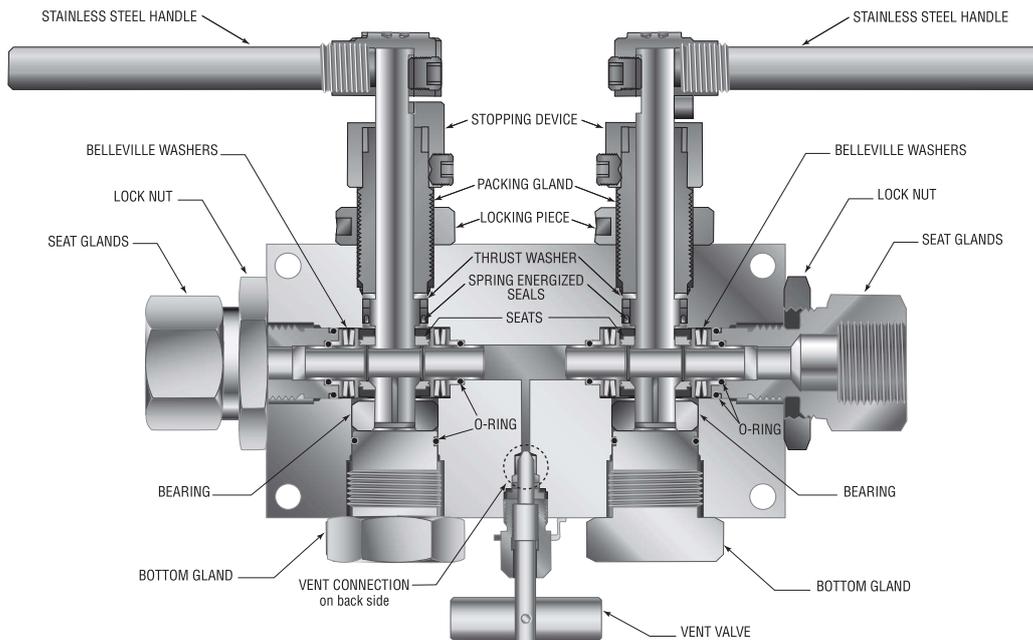
Connection Type	MAWP** at Room temperature	Minimum Orifice Inches (mm)	Rated C _v
SW500 (1/2" LP)	10,000 psi (690 bar)	0.323 (8.20)	2.3
SF375CX20 (3/8" MP)	15,000 psi (1034 bar)	0.203 (5.16)	1.0
SF562CX20 (9/16" MP)	15,000 psi (1034 bar)	0.312 (7.92)	2.1
SF750CX20 (3/4" MP)	15,000 psi (1034 bar)	0.323 (8.20)	2.3
1/4 FNPT	15,000 psi (1034 bar)	0.323 (8.20)	2.3
3/8 FNPT	15,000 psi (1034 bar)	0.323 (8.20)	2.3
1/2 FNPT	15,000 psi (1034 bar)	0.323 (8.20)	2.3
QS562 (9/16" QSS)	15,000 psi (1034 bar)	0.323 (8.20)	2.3
QS750 (3/4" QSS)	15,000 psi (1034 bar)	0.323 (8.20)	2.3

** Special materials often have reduced MAWP ratings, see Technical brochure for assistance



6DB Series Ball Valve Series

Pressure Ratings are determined by the end connections chosen, see chart. Maximum Temperature rating is determined by the o-ring material. NPT connections are limited to 400°F max due to PTFE Sealant.



See ball valve actuator section for full description, additional information, and options.

Ordering Guide:

For complete information on available end connections and material options, see below. 6DB ball valves are furnished complete with tube or pipe connections. Standard valve has FKM o-rings [400°F (204°C) maximum].

Building a Part Number: *Example: 6DB15M9M4*

Example Part Number:	6DB	15	M9	M4	-	XXX
Ordering Parameters/Options:	Valve Series	Pressure (x 1000 psi)	Tube Connection	Vent Connection		Options
Table Reference: (see below)	A	B	C	D		E

A - Valve Series

6DB	3/8" Double Block and Bleed Ball Valve
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B - Pressure (x 1000 psi)

10	10,000 psi
15	15,000 psi

C - Tube Connection

	Connection	MAWP @ RT	Seat Gland Hex
L8	SW500 (1/2" LP)	10,000 psi	1.38"
M6	SF375CX20 (3/8" MP)	15,000 psi	1.38"
M9	SF562CX20 (9/16" MP)	15,000 psi	1.38"
M12	SF750CX20 (3/4" MP)	15,000 psi	1.38"
P4	1/4" NPT	15,000 psi	1.38"
P6	3/8" NPT	15,000 psi	1.38"
P8	1/2" NPT	15,000 psi	1.38"
Q9	QS562 (9/16" QSS)	15,000 psi	1.38"
Q12	QS750 (3/4" QSS)	15,000 psi	1.50"

D - Vent Connection

M4	1/4" MP - SF250CX20 connection
P4	1/4" NPT
Q4	1/4" QS250 Connection

E - Options (suffix addition)

HT	O-ring, Perfluoroelastomer, - FFKM 30° to 500°F (260°C)
EPR	O-ring, EthylenePropylene Rubber, 0° to 250°F (121°C)
SOG*	NACE Material, Hardness Verification/Certificate
2507**	UNS 32750 2507 Super Duplex Stainless Steel
IN625**	UNS N06625 Inconel 625 Materials
K	Antivibration Gland Fitting (Cone and Thread Connections only)
L	Lock-out Bracket, Stainless Steel

Notes:

316 SS Valve bodies are cold worked and not suitable for use in NACE/ISO 15156 applications. If required, contact factory for options.

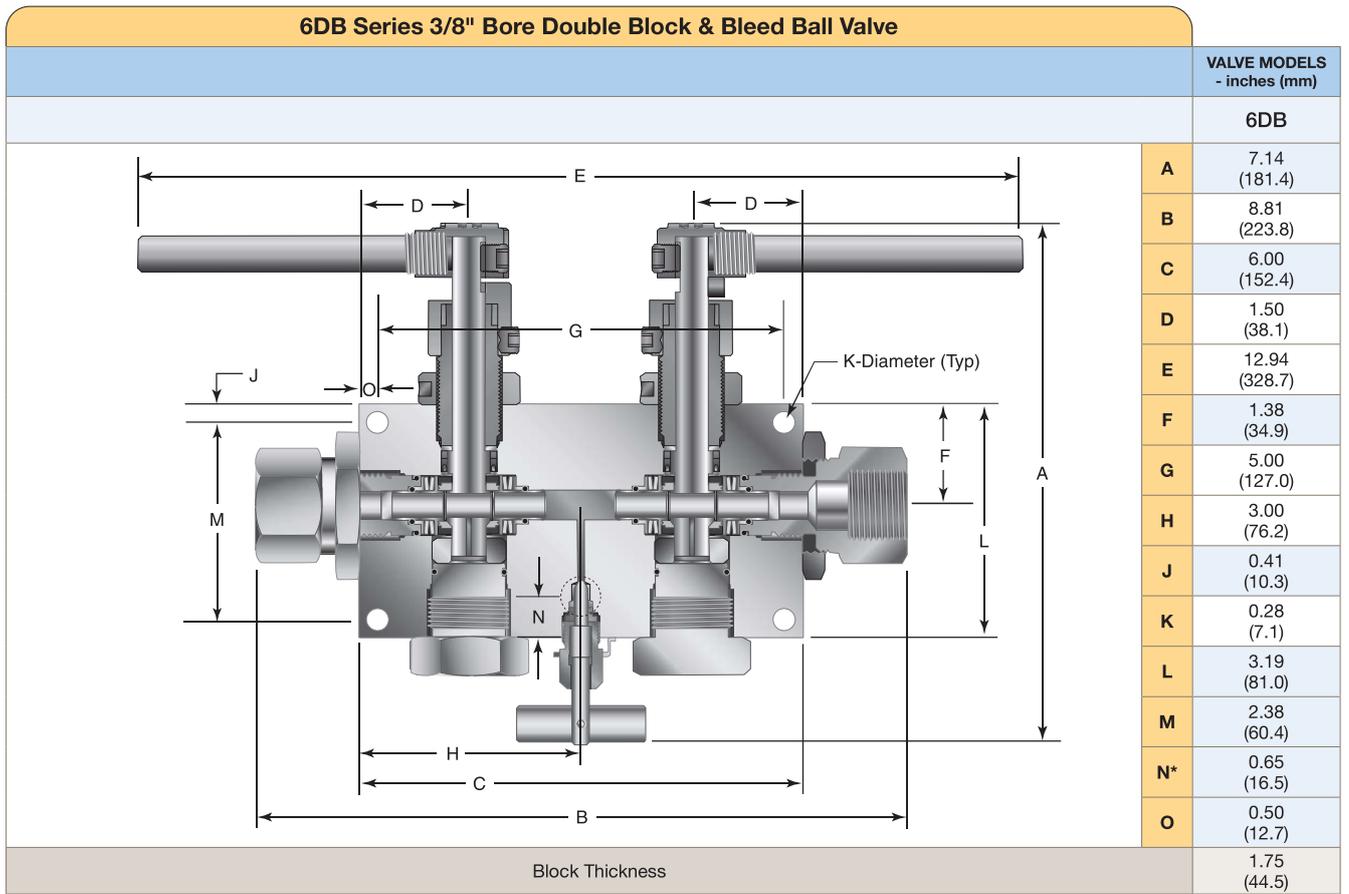
* SOG suffix also changes CW 316 SS body material to Annealed 316 SS suitable for NACE service. Contact factory for pressure reduction.

** Special materials often have reduced MAWP ratings, see Technical brochure for assistance.

Basic Repair Kits:

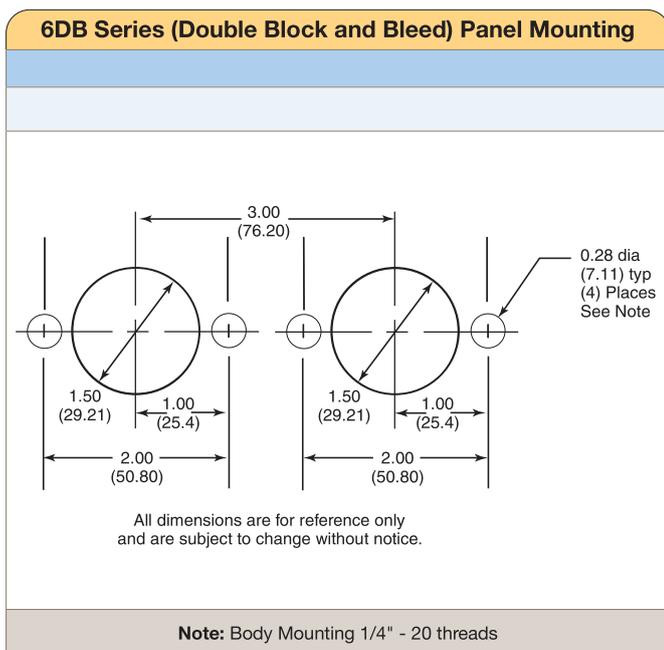
6DB Double Block & Bleed Valves are not repairable in field and must be returned to authorized repair center or factory location.

6DB Series 3/8" Bore Ball Valve Dimensions:



* Centerline location of vent outlet port

Panel Mounting Dimensions:



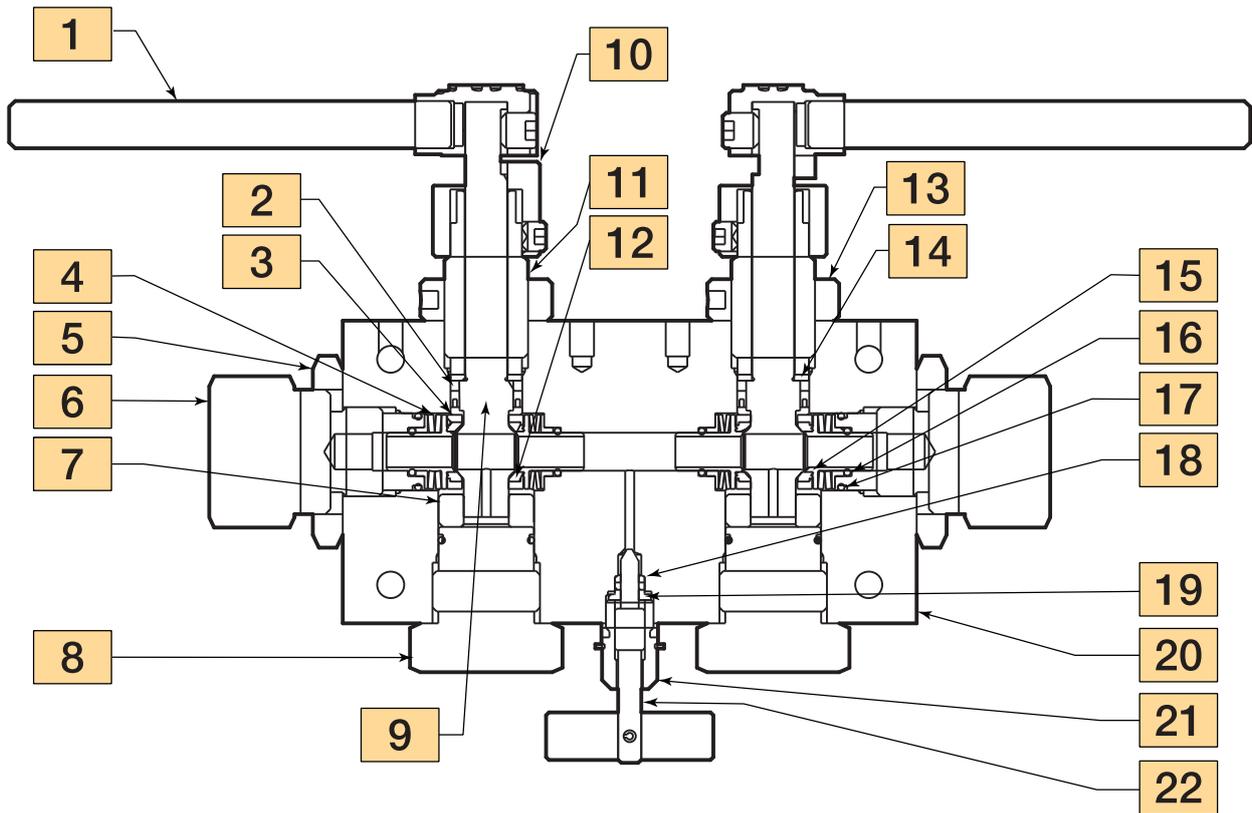
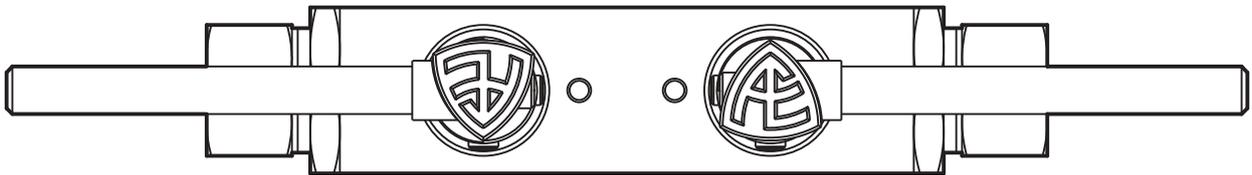
Material of Construction:

Item #	Description	Material
1	Handle	304 SS
2	Stem Seal/w 304 SS Spring	Graphite/Carbon PTFE
3	Seat Retainer	Nitronic 50 HC
4	Belleville Washer	17-7 PH
5	Locknut	316 SS
6	Seat Gland	316 CW SS
7	Bottom Bearing	Virgin PEEK
8	Bottom Gland	316 CW SS
9	Ball Stem (2)	316 CW SS
10	Stopping Device	316 CW SS
11	Packing Gland	316 CW SS
12	Seat	Arlon 1260
13	Locking Piece	316 SS
14	Thrust Washer	Ampco 45
15	Stress Riser Backup	Nitronic 50 HC
16	O-ring	90 Duro FKM
17	O-ring	90 Duro FKM
18	Bottom Washer	316 SS
19	Packing Washer	Ampco 45
20	Body	316 SS
21	Packing Gland	316 SS
22	Vent Valve Stem	316 SS

Please reference drawing on Page 5

6DB Series 3/8" Bore Ball Valve Material:

6DB Series 3/8" Bore Double Block & Bleed Ball Valve Part Identification



Many valve parts are duplicated but are only identified once for clarity.