THIS IS PARKER

Parker Autoclave Engineers

Large Bore Medium Pressure, 2-Way Ball Valves for 20,000 psi MAWP Service!

With the addition of this pressure rating to our existing ½" and ¾" bore ball valves, we now offer four different bore size valves from ¼" to ¾" bore capable of a maximum of 20,000 psi working pressure.

These valves incorporate one-piece trunnion style ball stem that eliminates shear failure and reduces side loading found in many two-piece designs.

Re-torqueable seat glands and PEEK™ seats offer excellent resistance to chemicals, heat and wear/abrasion and the full-port flow path minimizes pressure drop.

These ball valves can also be modified to incorporate the use of special materials, seals for high temperature applications to 500°F (260°C).

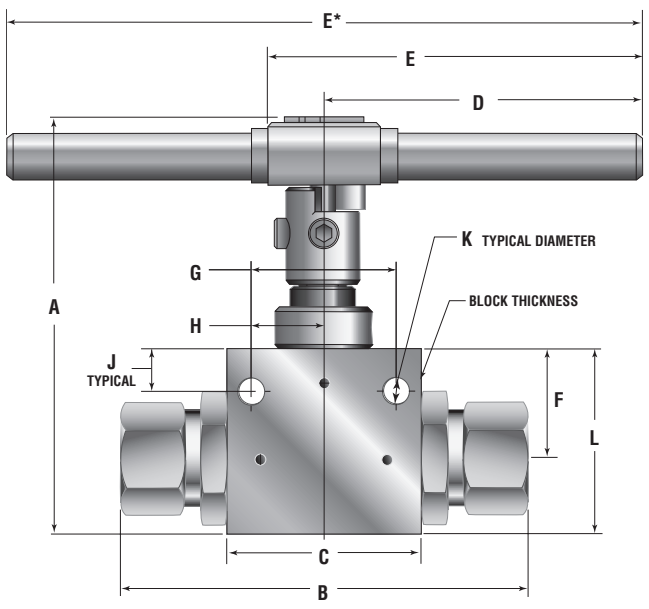
- Low friction, pressure assisted, graphite filled PTFE stem seal increases cycle life and reduces operating torque
- Quarter turn (90° actuation) from open to close with positive stop
- Full-port, bi-directional, straight-through flow path minimizes pressure drop
- Special material versions meeting NACE/ISO 15156 requirements are available
- Wide selection of tube or pipe end fittings available
- Electric and pneumatic actuator options are offered

Parker Autoclave Engineers®

ENGINEERING YOUR SUCCESS.

Dimensions:

2 Way Ball Valve: 1/2" thru 3/4"



	VALVE MODELS - inches (mm)			
	2B8S-15Ksi	2B8S-20Ksi	2B12S-15Ksi	2B12S-20Ksi
A	5.97 (151.64)	5.97 (151.64)	10.13 (257.3)	10.26 (260.5)
B	7.73 (196.46)	7.73 (196.46)	9.18 (233.2)	9.18 (233.2)
C	4.13 (104.78)	4.13 (104.78)	4.50 (114.3)	4.50 (114.3)
D	5.12 (130.04)	5.12 (130.04)	11.00 (279.4)	11.00 (279.4)
E	10.24* (260.10)	10.25 (260.00)	22.00 (558.8)	22.00 (558.8)
F	1.76 (44.70)	1.76 (44.70)	2.47 (62.7)	2.47 (62.7)
G	3.00 (76.20)	3.00 (76.20)	3.25 (82.6)	3.25 (82.6)
H	1.50 (38.10)	1.50 (38.10)	1.63 (41.4)	1.63 (41.4)
J	0.50 (12.70)	0.50 (12.70)	0.69 (17.5)	0.69 (17.5)
K	0.28 (7.11)	0.28 (7.11)	0.41 (10.4)	0.41 (10.4)
L	3.09 (78.58)	3.09 (78.58)	4.50 (114.3)	4.63 (117.5)
Block Thickness	1.75 (44.45)	2.25 (57.2)	3.00 (76.2)	3.50 (88.9)

Note: For C_V information please reference **Ball Valve Catalog: 02-9344BE**

Ordering Guide:

Building a Part Number: *Example: 2B8S20M12-2507*

Example Part Number:	**2B**	**8**	**S**	**20**	**M12**	–	**2507**
Ordering Parameters/Options:	Valve Series	Ball Orifice Diameter	Material	Pressure (x 1000 psi)	End Connection		Options
Table Reference: (see below)	A	B	C	D	E		F

A - Valve Series

2B	2 Way Ball Valve

B - Ball Orifice Diameter

8	1/2" (12.7mm)
12	3/4" (19.05mm)

C - Base Material

S	316 Cold Worked Stainless Steel* **(Not Available - 20Ksi Valves)**
S	2507 Super Duplex Wetted Material (needs "**F**" Options Code Suffix)
S	6 Moly (25-4SMO) Material (needs "**F**" Options Code Suffix) **(Not Available - 20Ksi Valves)**
Additional Material Available, please contact factory.	

D - Pressure (x 1000 psi)

10	10,000 psi
15	15,000 psi
20	20,000 psi (presently limited to 2507 Super Duplex material only)
Maximum MAWP based on connection type or material (whichever is lower)	

E - End Connection

	Connection	MAWP @ RT	Seat Gland Hex
M12	SF750CX10 (3/4" MP)	20,000 psi	1-3/4"
M16	SF1000CX10 (1" MP)	20,000 psi	1-3/4"
P12	3/4" FNPT	10,000 psi	1-3/4"
P16	1" FNPT	10,000 psi	1-3/4"

F - Options (Suffix Addition)

BO	O-ring, Buna-N, 40° to 250°F (121°C)
EPR	O-ring, Ethylene Propylene Rubber, 0° to 250°F (121°C)
HT	O-ring, Perfluoroelastomer (Parofluor®) FFKM 30° to 500°F (260°C)
K	Antivibration Gland Fitting (Cone & Thread Only)
L	Lockout Bracket (see page 43 for detail)
SOG*	ALL Parts NACE material, hardness check, NACE Certification
2507**	2507 Super Duplex (20,000 psi max.) used with "**S**" Material Code
25-4MO**	6 Moly (25-4SMO) Material (used with "**S**" material code)

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.

Parker Autoclave Engineers

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