

General Description: Parker's three-piece SWB Series Ball Valves are durable valves that can handle the pressure and piping loads. The center section can swing out to quickly and easily replace seats, seals and the ball without major disruption to the piping system.

- Features:**
- Free floating ball design allows for seat wear compensation
 - Self-compensating stem seal
 - Spring-loaded seats
 - Blow out resistant stem
 - Fully enclosed body bolting
 - Four bolt construction
 - ISO-type actuator mounting design
 - Pneumatic and electric actuation options
 - 100% factory tested

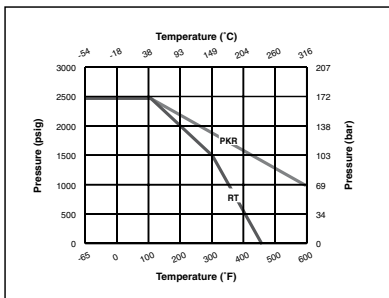
BALL VALVES

SWB SERIES

Specifications:

Body Materials:	Stainless Steel
Seat Materials:	Reinforced PTFE / PEEK
Seal Materials:	Buna-N Rubber Ethylene Propylene Rubber Fluorocarbon Rubber PTFE Grafoil®
Flow Data:	Cv: 1.1 to 35.0
Pressure Ratings:	2500 psig
Temperature Ratings — Seats:	
Reinforced PTFE Seats	-65°F to 450°F
PEEK Seats	-65°F to 600°F
Temperature Ratings — Seals:	
Buna-N Rubber Seals	-40°F to 250°F
Ethylene Propylene Rubber Seals	-65°F to 300°F
Fluorocarbon Rubber Seals	-15°F to 400°F
PTFE Seals	-65°F to 350°F
Grafoil® Seals	-65°F to 600°F

PRESSURE VS. TEMPERATURE



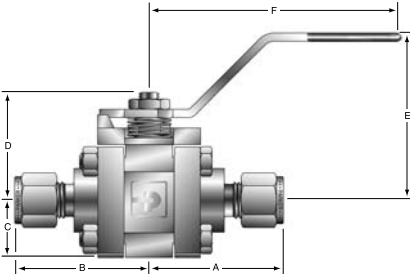
Notes:

- This Pressure vs. Temperature chart reflects the use of indicated seat materials in Stainless Steel valves without consideration of seal materials. When combining seat and seal materials, the most restrictive temperature rating of the seats or seals becomes the limiting factor on temperature range.
- Elastomeric seals are recommended if the application subjects the valve to thermal cycling.

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Part No.	Flow Data			Dimensions					
	Orifice			A†	B†	C	D	E	F
	in.	C _v	X _T *	in.	in.	in.	in.	in.	in.
4Z(A)-SWB4L	0.19	1.1	0.19	1.59	1.59	0.68	1.28	2.00	3.00
4F-SWB4L	0.28	2.9	0.29	1.09	1.09				
6Z(A)-SWB4L	0.28	4.5	0.19	1.59	1.59	0.89	1.54	2.36	3.94
6F-SWB8L	0.44	8.2	0.35	1.29	1.29				
8Z(A)-SWB8L	0.41	6.4	0.35	2.03	2.03				
8F-SWB8L	0.44	8.2	0.26	1.29	1.29				
8W-SWB8L	0.41	6.4	0.35	1.29	1.29	1.06	1.81	2.59	3.94
8PBW1-SWB8L	0.44	8.2	0.26	1.35	1.35				
8PSW-SWB12L	0.52	13.5	0.34	1.35	1.35				
12Z(A)-SWB12L	0.56	14.7	0.28	2.03	2.03				
12F-SWB12L	0.56	14.7	0.28	1.39	1.39	1.25	2.30	3.00	5.71
12W-SWB12L	0.56	14.7	0.28	1.39	1.39				
12PBW1-SWB12L	0.56	14.7	0.28	1.37	1.37				
12PSW-SWB16L	0.88	35.0	0.29	1.95	1.95				
16Z(A)-SWB16L	0.88	35.0	0.29	2.68	2.68	1.25	2.30	3.00	5.71
16F-SWB16L	0.88	35.0	0.29	1.79	1.79				
16W-SWB16L	0.88	35.0	0.29	1.79	1.79				
16PBW1-SWB16L	0.88	35.0	0.29	1.81	1.81				

* Tested in accordance with ISA S75.02. Gas flow will be choked when $P_1 - P_2/P_1 = X_T$.
† For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position.

SWB SERIES

HOW TO ORDER

The correct part number is easily derived from the following number sequence. The seven product characteristics required are coded as shown below.

Example: **8A** * - **SWB8L** - **RT** - **BN** - **SS**

① ②
③ ④
⑤
⑥
⑦

Describes a SWB8L Two-Way Ball Valve with 1/2" A-LOK® end connections for ports 1 and 2, reinforced PTFE seats, Buna-N rubber body seals, and stainless steel construction.

***Note:** If ports 1 and 2 are the same, eliminate the port 2 designator.

	①	②	③	④	⑤	⑥	⑦		
8	A	*	-	SWB8	L	-	BN	-	SS
Port Size	Port 1	Port 2	Valve Series	Valve Configuration	Seat Material	Seal Material	Body Material		
4	Z - CPI™ Tube		SWB4	L - 2 Way	PKR - PTFE	T - PTFE	SS - Stainless Steel		
6	A - A-LOK® Tube		SWB8		Reinforced PEEK	BN - Buna-N Rubber			
8	F - Female NPT		SWB12			EPR - Ethylene Propylene Rubber			
12	W - Tube Socket Weld		SWB16		RT - Glass	V - Fluorocarbon Rubber			
16	PSW - Pipe Socket Weld				Reinforced PTFE	G - Grafoil® Gasket			
	PBW1 - Pipe Butt weld (Schedule 10)								

Note: Upper and Lower PTFE packing is replaced with PEEK when valves are ordered with Grafoil® Seals.

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