SERIES 40

1 PIECE REDUCED PORT BALL VALVES

Flow-Tek's Model S40 ball valves offer an economical, compact, one piece body design. The one piece body supplies maximum structural strength while minimizing the number of potential leak paths. Model S40 valve bodies are high quality investment cast 316 stainless steel.

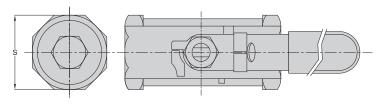
S40 valves feature quarter turn operation, blowout proof stems and low operating torque.

The standard handle design is a locking lever or an optional oval handle is available for ease of operation or for safety applications.

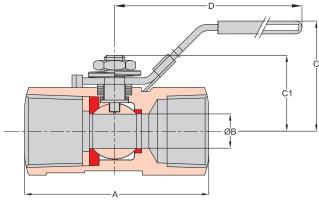


Size	Pressure	Temperature	End	Body
	Rating	Range	Connections	Material
1/4" to 2" 8mm to 50mm	1000 psi WOG 69 bar	-50°F to +450°F -46°C to +232°C	Threaded - NPT	Stainless Steel



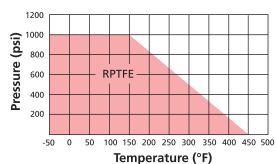


Dimensions								
Size ins. mm	Α	øB Port	С	C1	D	S	Cv	Weight lbs. kg
1/ ₄	1.54	.20	1.22	.69	2.56	.67	1.6	.132
8	39	5	31	17.5	65	17		.06
³ / ₈	1.73	.27	1.42	.80	3.35	.83	3.1	.231
10	44	6.8	36	20.2	85	21		.10
1/2	2.22	.36	1.61	1.02	3.74	.98	5.5	.375
15	56.5	9.2	41	26	95	25		.17
³ ⁄ ₄	2.32	.49	1.73	1.12	3.74	1.26	10	.551
20	59	12.5	44	28.5	95	32		.25
1	2.80	.59	1.89	1.41	4.37	1.50	15.5	.915
25	71	15	48	35.8	111	38		.42
1½	3.07	.79	2.13	1.54	4.37	1.93	20	1.422
32	78	20	54	39	111	49		.65
1½	3.27	.98	2.56	1.81	5.59	2.09	37	1.753
40	83	25	65	46	142	53		.80
2	3.94	1.26	2.83	2.05	5.59	2.56	60	2.744
50	100	32	72	52	142	65		1.24



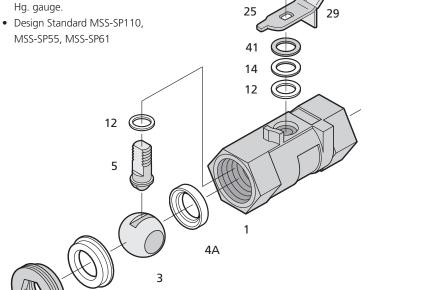
PRESSURE/TEMPERATURE

28



TESTING AND STANDARDS

- All valves are tested in accordance with API 598.
- Threaded End Connections meet ASME B1.20.1 NPT.
- Vacuum service to 29 inches Hg. gauge.



26

Components and Materials						
Item	Name	Material	Qty.			
1	Body	ASTM A351 Gr CF8M	1			
2	Body Insert	ASTM A351 Gr CF8M	1			
3	Ball	SS304	1			
4A	Seat	RPTFE	1			
4B	Seat	RPTFE	1			
5	Stem	SS304 / 316	1			
7	Spring Washer	SS304	1			
12	Thrust Washer	RPTFE	1			
14	Stem Packing	RPTFE	1 set			
25	Handle	SS304	1			
26	Handle Nut	SS304	1			
28	Handle Sleeve	Vinyl	1			
29	Locking Device	SS304	1			
41	Packing Ring	SS304	1			



4B

8323 N. Eldridge Pkwy. #100 Houston, Texas 77041 Tel: 832.912.2300 Fax: 832.912.2301 bray.com/flow-tek All statements, technical information, and recommendations in this bulletin are for general use only. Consult Flow-Tek representatives or factory for the specific requirements and material selection for your intended application. The right to change or modify product design or product without prior notice is reserved.

 $\mathsf{Flow}\text{-}\mathsf{Tek}^{\scriptscriptstyle\textcircled{\$}}$ is a registered trademark of Bray International, Inc.

© 2021 Bray International Inc. All rights reserved. F-2204_S40_EN_04_30_2021