

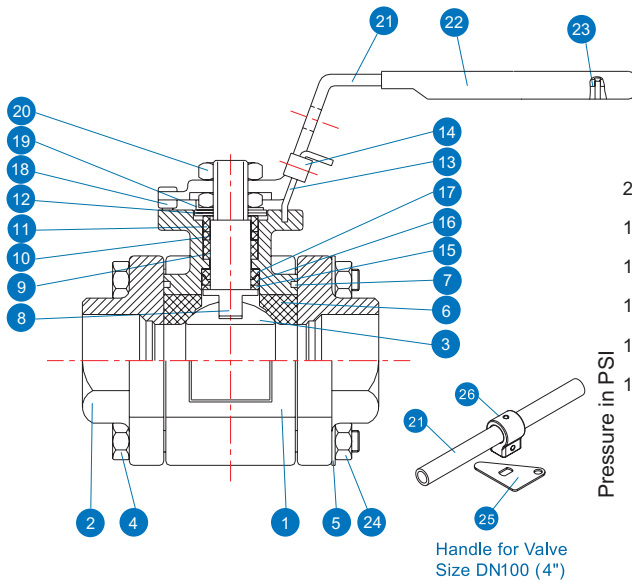


SERIES 80S

3 PC HEAVY DUTY HIGH PERFORMANCE BALL VALVE

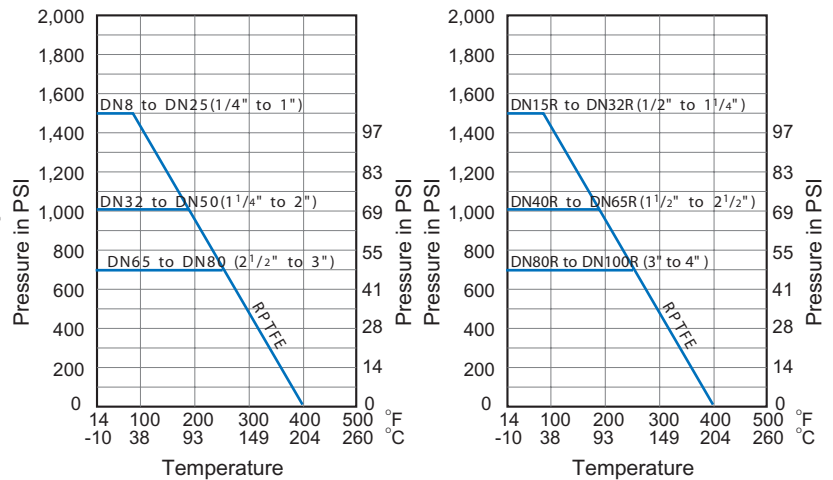
FEATURES

- Patented "Sealmaster" stem arrangement
- Double stem sealing complies with TA-LUFT requirements
- Heavy duty, three piece ball valve
- ISO 5211 top mounting plate
- Fully enclosed bolting for sizes up to DN40 full bore
- End connections, screwed, butt weld and socket weld
- Seat material options
- Size range DN8 (1/4") to DN100 (4") - Full and reduced bore
- Blow-out proof stem and anti-static design
- Tightness to EN12266-1



Sizes DN8 to DN80 (1/4" to 3")

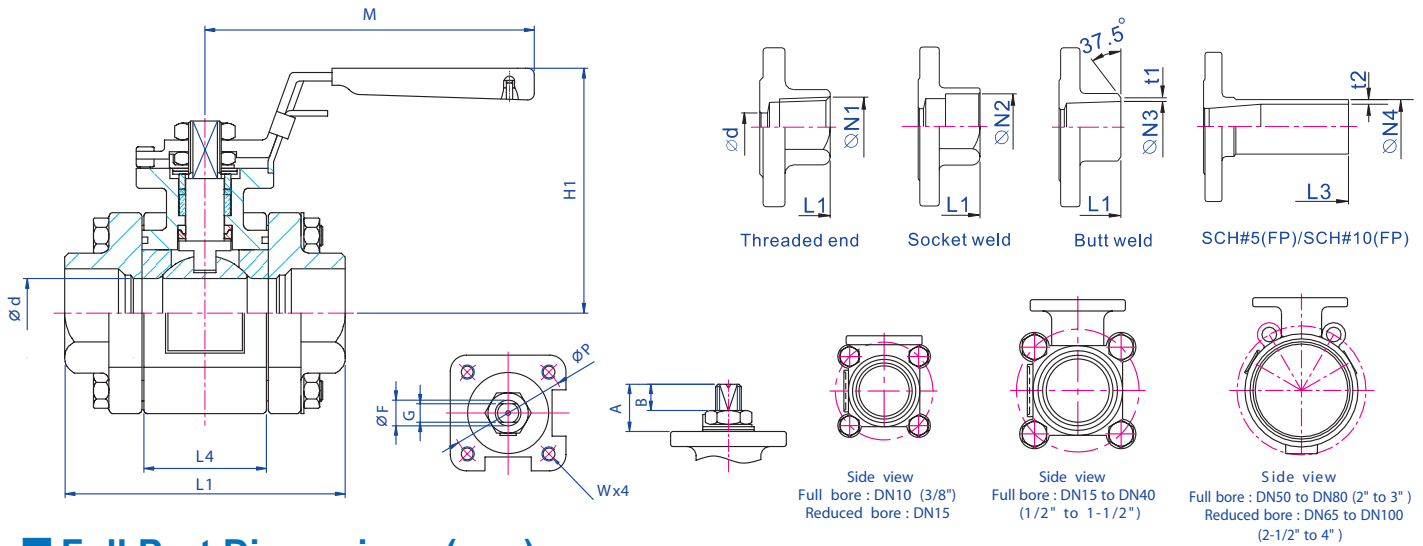
Pressure/Temperature chart



MATERIALS OF CONSTRUCTION

No.	Part Name	Material	Q,TY	No.	Part Name	Material	Q,TY
1	Body	CF8M / WCB, 1.4408 / 1.0619	1	14	Fix Plate	304SS	1
2	Cap	CF8M / WCB, 1.4408 / 1.0619	2*	15	Lower Stem Seal	50% S.S Powder / 50% PTFE	1
3	Ball	ASTM A351 Gr. CF8M	1	16	Compress Ring	316SS	1
4	Bolt	A2-70	4-6	17	Upper Stem Seal	TFM1600	1
5	Bolt Washer	304SS	4-12	18	Stop Bolt	A2-70	1
6	Ball Seat	RPTFE	2	19	Lock Saddle	304SS	1
7	Body Gasket	PTFE	2	20	Stem Nut	304SS	2
8	Anti-Static Stem	A276 Type 316	1	21	Handle	CF8 / SGP Zn Plating	1
9	V-Ring Stem Packing	PTFE	1 Set	22	Handle Sleeve	Vinyl	1
10	Thrust Washer	50% S.S Powder / 50% PTFE	1	23	Rivet	304SS	2
11	Gland	304SS	1	24	Bolt Nut	A2-70	4-12
12	Belleville Washer	301SS	2	25	Triangle Stopper	304SS	1
13	Locking Trigger	304SS	1	26	Handle Adapter	ASTM A351 Gr. CF8	1

* Stainless steel welded connectors are CF3M/1.4409



Full Port Dimensions (mm)

Size	DN	ød	A	B	G	øP	øF	W	M	t1	5S	t2	10S	L1	L3	L4	øN1	øN2	øN3	øN4	H1	Wt(kg)
1/4"	8	11.2	12.7	5.6	5.0	36	8.0	M5	115	0.5	N/A	N/A	N/A	66.6	N/A	21.2	NPT	14.1	9.2	N/A	66	0.62
3/8"	10	12.7	12.7	5.6	5.0	36	8.0	M5	115	0.5	N/A	N/A	N/A	66.6	N/A	21.2	or	17.5	12.5	N/A	66	0.60
1/2"	15	15.0	15.0	9.3	6.3	42	9.7	M5	135	0.5	1.65	2.1	71.6	129.8	25.2	PT	22.4	15.8	21.7	84	0.82	
3/4"	20	20.0	20.0	12.5	6.3	42	9.7	M5	135	0.5	1.65	2.1	96.6	140.9	32.3	or	27.4	21.0	27.2	88	1.42	
1"	25	25.0	21.4	13.4	8.0	50	11.2	M6	165	0.5	1.65	2.8	109.0	223.3	42.3	PF	34.2	26.6	34.0	98	2.02	
1-1/4"	32	31.8	21.7	13.8	8.0	50	11.2	M6	165	0.5	1.65	2.8	117.0	230.4	49.4	or	43.0	35.1	42.7	101	2.76	
1-1/2"	40	38.1	25.6	15.6	9.5	70	16.0	M8	200	0.5	1.65	2.8	129.0	240.2	57.2	DIN	49.0	40.9	48.6	117	4.12	
2"	50	50.8	25.2	16.3	9.5	70	16.0	M8	200	1.0	1.65	2.8	142.0	259.4	71.4	2999	61.1	52.5	60.5	125	6.00	
2-1/2"	65	65.0	42.7	25.2	17.0	102	22.3	M10	250	1.0	N/A	N/A	174.0	N/A	89.0		77.1	68.9	N/A	165	9.48	
3"	80	80.0	39.4	24.8	17.0	102	22.3	M10	250	1.6	N/A	N/A	193.0	N/A	108.5		90.2	77.9	N/A	174	15.64	

Reduced Port Dimensions (mm)

Size	DN	ød	A	B	G	øP	øF	W	M	t1	L1	L4	øN1	øN2	øN3	H1	Wt(kg)
1/2"	15	12.7	12.7	5.6	5.0	36	8.0	M5	115	0.5	66.6	21.2	NPT	22.4	15.8	66	0.63
3/4"	20	15.0	15.0	9.3	6.3	42	9.7	M5	135	0.5	71.6	25.2	or	27.4	21.0	84	0.85
1"	25	20.0	20.0	12.5	6.3	42	9.7	M5	135	0.5	96.6	32.3	PT	34.2	26.6	85	1.48
1-1/4"	32	25.0	21.4	13.4	8.0	50	11.2	M6	165	0.5	109.0	42.3	or	43.0	35.1	98	2.08
1-1/2"	40	31.8	21.7	13.8	8.0	50	11.2	M6	165	0.5	117.0	49.4	PF	49.0	40.9	101	2.82
2"	50	38.1	25.6	15.6	9.5	70	16.0	M8	200	1.0	129.0	57.2	or	61.1	52.5	117	4.32
2-1/2"	65	50.8	25.2	16.3	9.5	70	16.0	M8	200	1.0	142.0	71.4	DIN	77.1	68.9	125	5.89
3"	80	65.0	42.7	25.2	17.0	102	22.3	M10	250	1.6	174.0	89.0	2999	90.2	77.9	165	9.63
4"	100	80.0	39.4	24.8	17.0	102	22.3	M10	250	1.6	193.0	108.5		115.1	102.3	174	15.44

N/A = Not Available

ORDERING INFORMATION

	BUTT WELD	REDUCED PORT	SS316	RPTFE	1-1/2"	1440cwp	T-HANDLE
80S	B	3	1	R	G	M	2
80S STANDARD	END CAP TYPE	PORT TYPE	BODY/END CAP MATERIAL	SEAT MATERIAL	SIZE	PRESSURE	HANDLE TYPE
	A EXTEND BUTT WELD SCH-5	1 FULL PORT	1 316 CF8M 1.4408 SCS14	T PTFE	A 1/4"	C PN50/720cwp	1 STANDARD HANDLE
	B BUTT WELD	3 REDUCED PORT	4 WCB GS-C25 1.0619	R RPTFE	B 3/8"	D PN63/1000cwp	2 T - HANDLE
	C EXTEND BUTT WELD SCH-10		5 316L CF3M	N 50% S/S Filled PTFE	C 1/2"	M PN100/1440cwp	3 BARE SHAFT
	S SOCKET WELD			4 25% CARBON 75% PTFE	D 3/4"		4 OTHER
	N THREADED END(NPT)			M MG1241	E 1"		
	P THREADED END(PF)			O OTHER	F 1-1/4"		
	H THREADED END(PT)				G 1-1/2"		
	V EXTENDED BUTT WELD - NW				H 2"		
	W EXTENDED BUTT WELD - RJT				J 2-1/2"		
					K 3"		
				L 4"			