

PROTORK

Your final valve solution



A 600 & A 800 Series

3 piece #600 Flanged End & #800 SE/ SW/ BW Ball Valves



Specifications

Size range	: 1/4" – 4" valves (Regular bore) 1/4" – 3" Valves (Full bore)
Materials	: Cf8, CF8M, WCB & Other materials are on request
Pressure Rating	: #600 & #800
Operation	: Actuated & Manual
Application	: Food, oil, Steam, Pharmaceuticals, Power, Pulp, Refinery, Chemicals & Others

Design Standard :

Fire Safe
Certified to API 607 V1th edition
BS 6755
ISO 5211

Pressure Testing:
API 598, BS 6755,
ISO 5208

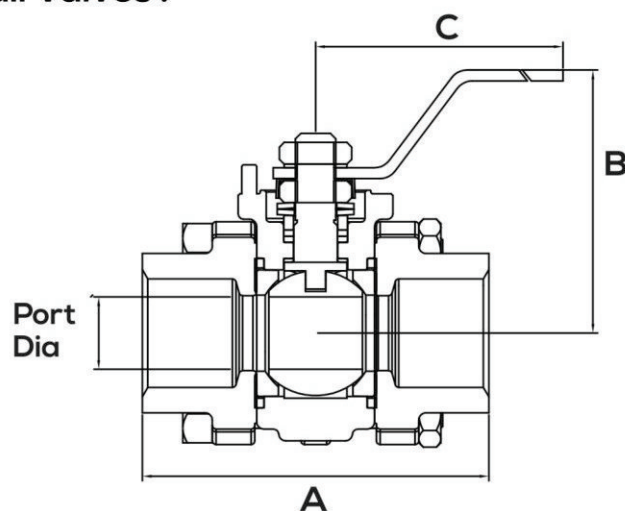
End Connections :

Screwed End # 800
Threaded (BSP, NPT, BSPT)
Butt weld, Socket weld
Extended Butt weld,
Extended Socket weld
& Flanged end #600

Engineered for maximum
Durability, Performance & Quality

"PROTORK" We would like to introduce ourselves as one of the finest industrial valve manufacturer in India. Our valves are engineered for heavy duty, reduced maintenance, excellent performance and manufactured in a variety of body and seal materials.

Dimension of 3 piece Screwed end / Threaded end / Welded end #800 Ball Valves :



Screwed End #800

Regular Bore

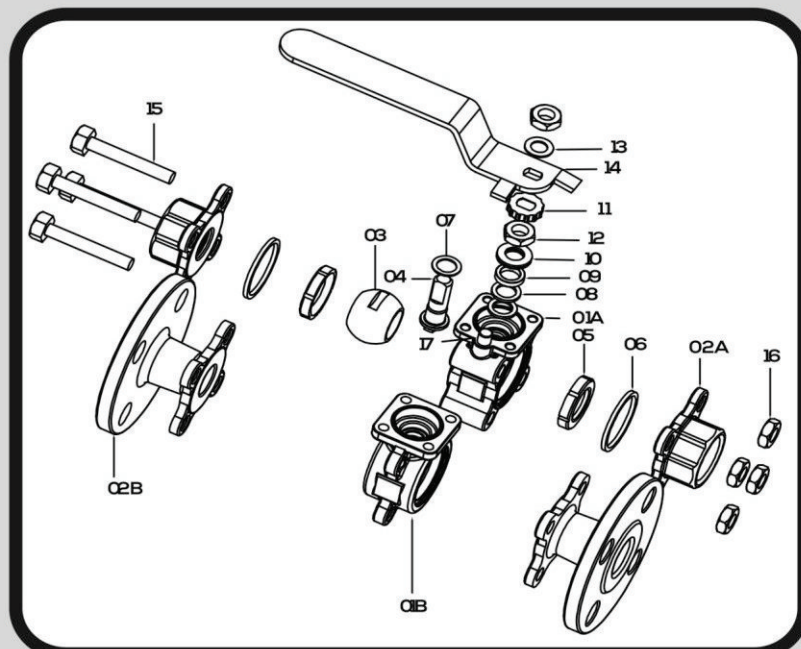
Valve size		Port dia	A	B	C	Weight (kg)
Inch	mm					
1/4" - 1/2"	08 - 15	11	65.9	62.5	151	0.67
3/4"	20	14	70.5	64.8	151	0.8
1"	25	20	94	74	170	1.6
1 1/4"	32	25	107.8	79	170	2.1
1 1/2"	40	32	115.2	102	205	3
2"	50	38	127.5	107	205	4
2 1/2"	65	50	158	118	205	7.37
3"	80	64	169	185	400	13.6
4"	100	83	195	200	600	23.7

Full Bore

Valve size		Port dia	A	B	C	Weight (kg)
Inch	mm					
1/4" - 3/8"	08-10	11	65.9	62.5	151	0.67
1/2"	15	14	70.5	64.8	151	0.8
3/4"	20	20	94	74	170	1.6
1"	25	25	107.8	79	170	2.1
1 1/4"	32	32	115.2	102	205	3
1 1/2"	40	38	127.5	107	205	4
2"	50	50	158	118	205	7.37
2 1/2"	65	64	169	185	400	13.6
3"	80	80	195	200	600	23.7

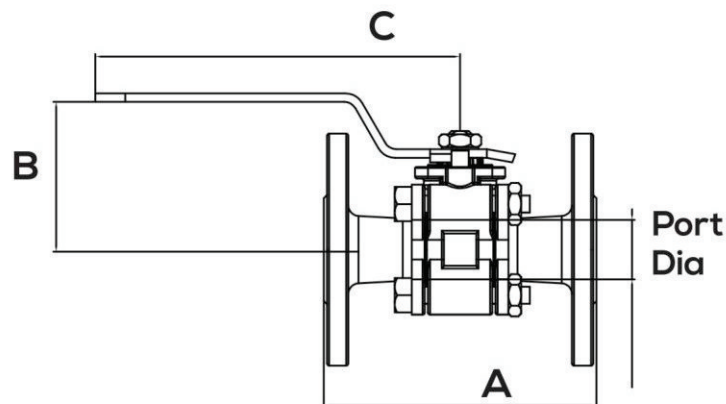
Material of construction:

Item	Name	Material
01A	BODY	CF8/CF8M/WCB
01B	BODY	CF8/CF8M/WCB
02A	END CAP	CF8/CF8M/WCB
02B	END CAP	CF8/CF8M/WCB
03	BALL	CF8/CF8M/ SS 304/ SS 316
04	STEM	CF8/CF8M/ SS 304/ SS 316
05	SEAT RING	PTFE
06	BODY SEAL	TFM /GRAPHITE
07	STEM SEAL	CARBON FILLED PTFE
08	GLAND PACKING	CARBON FILLED PTFE
09	GLAND	SS 304 / SS 316 / SS 410
10	DISK SPRING	SS 304 / SS 316
11	LOCKING CLIP	SS 304 / SS 316 / SS 410
12	GLAND NUT	STEEL PLATED / SS 304 / SS 316
13	SERRATED WASHER	STEEL PLATED / SS 304 / SS 316
14	HANDLE	STEEL PLATED / SS 304 / SS 316
15	BODY CONNECTOR BOLT	STEEL PLATED / SS 304 / SS 316
16	BODY CONNECTOR NUT	STEEL PLATED / SS 304 / SS 316
17	STOP PIN	SS 304 / SS 316 / SS 410



• Other materials are available on request .

Dimension of Flanged end #600 Ball Valves :



Flanged End #600

Regular Bore

Valve size		A	B	C
Inch	mm			
1/2"	15	165	105	130
3/4"	20	190	105	130
1"	25	216	130	160
1 1/2"	40	241	140	230
2"	50	292	174	401
2 1/2"	65	292	174	401

• 80mm and 100mm are available on request

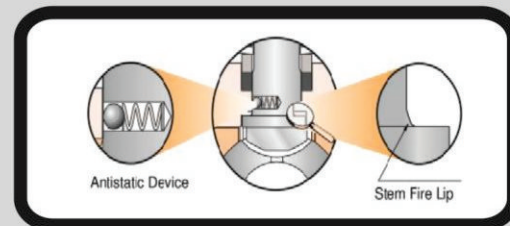
Full Bore

Valve size		A	B	C
Inch	mm			
1/2"	15	190	105	130
3/4"	20	216	130	160
1"	25	230	135	160
1 1/2"	40	292	174	401
2"	50	292	174	401

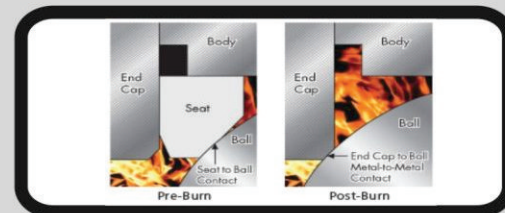
• 80mm and 100mm are available on request

Special Service Valves

Antistatic Device : Antistatic devices are built in the valve stem to ensure electrical continuity between ball, stem & body. Thus providing greater safety while handling volatile media.

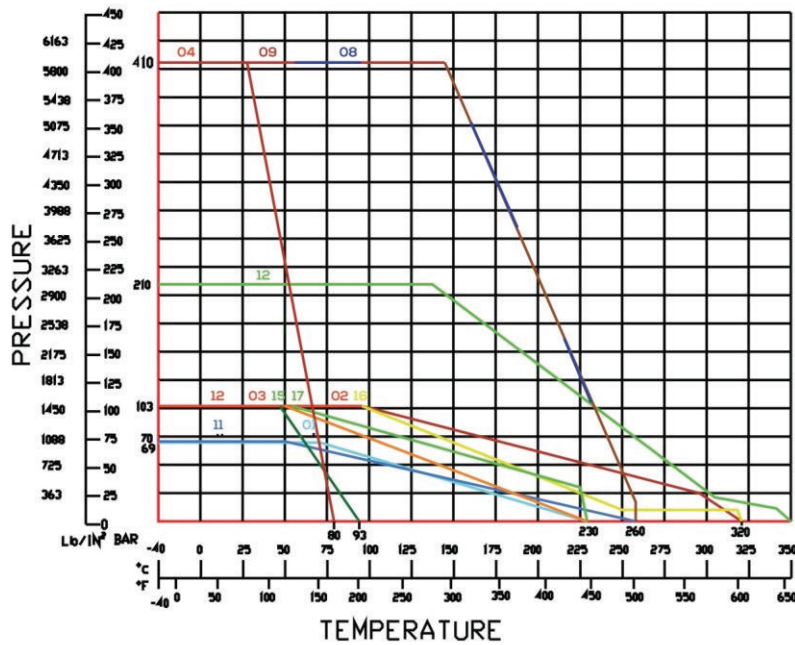


Fire safe : Fire safe valves are designed & tested to the requirement of the market. Its special best design prevents leakage in the event of fire.



Locking Device : Protork's locking device ball valves to prevent accidental movement of the ball position. Valves feature a safety trigger that locks the handle in the on/off position. This is benefitted to secure the handle in position & preventing unwanted movement of the ball.

Pressure & Temperature Graph of seat variants and its application



CODE	SEAT
01	PTFE
02	Carbon filled PTFE
03	15% Glass filled PTFE
04	DELRIN
08	PEEK Virgin
09	PEEK
10	UHMWP
11	PCTFE
12	VESPEL
15	25% Glass filled PTFE
16	33% Carbon filled PTFE
17	TFM

PROTORK ORDER CODING SYSTEM

SERIES	Size	Body Material	Ball & Stem	End Connection	Seat Material	Special Features	Operation Type
	mm inch						
A 600 (RB)	08 1/4"	01 SS 317 /CG8	01 SS 317/CG8	01 BSP FEMALE	01 PTFE	01 'L' PORT 3 WAY	00 MANUAL (LEVER OPERATE)
	10 3/8"	02 SS 304 /CF8	02 SS 304/CF8	02 BSP MALE	02 Carbon filled PTFE	02 'T' PORT 3 WAY	
A 600 (FB)	15 1/2"	03 SS 316 /CF8M	03 SS 316 /CF8M	03 BSPT FEMALE	03 15% GLASS FILLED PTFE	03 JACKETED HALF	01 PNEUMATIC DA
	20 3/4"	04 SS 316L/CF3M	04 SS 316L/CF3M	04 BSPT MALE	04 DELRIN	04 JACKETED FULL	02 PNEUMATIC SR
A 800 (RB)	25 1"	05 SS 304L/CF3	05 SS304L/CF3	05 NPT FEMALE	05 REINFORCED NYLON	05 Double Block& Bleed	03 GEAR OPERATED
	32 1 1/4"	06 ALLOY 20	06 ALLOY 20	06 NPT MALE	06 HARD GRAPHITE	06 LOCKABLE	04 PNEUMATIC DA
A 800 (FB)	40 1 1/2"	07 DUPLEX SS	08 HASTELLOY B	07 ANSI 150#	07 METAL SEAT	07 CAVITY FILLER	GEAR OPERATED
	50 2"	08 HASTELLOY B	09 HASTELLOY C	08 ANSI 300#	08 PEEK VIRGIN	08 FUGITIVE	05 PNEUMATIC SR
	65 2 1/2"	09 HASTELLOY C	10 MONEL	09 ANSI 600#	09 PEEK	09 EMISSION	WITH GEAR OPERATED
	80 3"	10 MONEL	11 LCB	10 DIN 3852	10 UHMW Polythelene	10 FIRE SAFE	06 'T' TYPE HANDLE
	100 4"	11 LC B	12 LC 1	11 BW SCH 10	11 PTFE-PFA Copolymer	11 ANTISTATIC	07 SPRING RETURN
	125 5"	12 LC 1	13 LC 2	12 BW SCH 40	12 VESPEL	11 UNIDIRECTION	HANDLE
	150 6"	13 LC 2	14 LCC	13 BW SCH 80	13 MOLY/GLASS/TFE	12 HIGH CYCLE	08 ELECTRICAL
	200 8"	14 LC C	15 LC 3	14 EXTENDED B/ W	14 PVDF	13 VACUUM	09 ACTUATOR DA
	250 10"	15 LC 3	16 WCB	15 SOCKET WELD	15 25% Glass filled PTFE	14 SERVICE	09 ELECTRICAL
	300 12"	16 WCB	17 A 105	16 EXTENDED S/W	16 33% carbon filled PTFE	14 AMONIA	ACTUATOR SR
	350 14"	17 A 105	20 LF 2	17 TRI CLAMP	17 TFM (white)	15 CRYOGENIC	10 EXTENDED LEVER
	400 16"	18 WCC	21 SS410	18 EXTENDED OD TUBE	18 Graphite filled PTFE	16 HIGH PRESSURE	11 PNEUMATIC CONTROL
	450 18"	19 WC LFI	22 SS403	19 EXTENDED DIV TUBE		17 CONTROL VALVE	12 ELECTRICAL CONTROL
	500 20"	20 LF 2	23 SS329	20 EXTENDED ISO TUBE		18 V PORT	
	550 22"	21 SS 410	24 CR. MOSTED	21 Sanitary Clamp150#			
	600 24"	22 SS 403	25 AISI 4137	22 Sanitary Clamp DIN			
		23 SS 329	26 AISI 4135	23 BUTT WELD DIN			
				24 BUT WELD ISO			
				25 FLANGED DIN PN 16			
				26 FLANGED DIN PN 40			
				27 S/W OD BASED			
				28 KF FLANGES			
				29 SAE Flanges			

Order Code

2" CF 8 M body & ball three piece flanged end 600#
manual regular bore ball valve with pneumatic DA Actuator

