



Trunnion Ball Valve Figure No. System

Sample:

8	F6	08	RF	C	S	S	A	S	6	F	G	G	N
Valve type	Bore & Class	Size	End Configuration	Design	Body/Bonnet	Trim Material		Seat Assembly		Sealing Components		Operation	OTHER
						Ball	Stem	Seat Retainer	Seat	Seals	Packing/Gaskets		
8-TRUNNION	S1 - 150#STD PORT	02"	RF - RAISED FACE FLGD END	A- 2 PCE	P - A105N ⁽²⁾	P - A105N/ENP ⁽³⁾	A - 4130/ENP ⁽⁸⁾	P - A105N/ENP ⁽³⁾	2 - PTFE	F - FKM/VITON GLT (-50°F, NACE)	G - GRAPHITE ⁽⁵⁾	B - BARE STEM	N - NACE
	S3 - 300# STD PORT	2.5"	FF - FLAT FACE FLGD END	C - 3 PCE	A - A216-WCB	S - A350-LF2/ENP ⁽³⁾	O - 17-4PH ⁽⁴⁾	S - A350 LF2/ENP ⁽³⁾	3 - RPTFE (Cls 150, 300)	FKM/VITON GLT (-20°F, NACE)	P - PTFE	L - LEVER OPERATED	B - PORTED RELIEF TO UPSTREAM
	S6 - 600# STD PORT	03"	RJ - RING TYPE JOINT FLGD END		S - A350-LF2 ⁽²⁾	R - A182-F316	R - A182-F316	R - A182-F316	4 - PEEK	H - HNBR (HSN) (-50°F)	T - TFE	G - GEAR OPERATED ⁽⁶⁾	C - CRYOGENIC (extension & testing per MSS-SP-134)
	S9 - 900# STD PORT	04"	BW - BUTTWELD END ⁽¹⁾		H - A352-LCC			R - A182-F316	6 - DEVLON V	HNBR (HSN) (-20°F)		A - ACTUATED	D - BLEED VALVE
	S15 - 1500# STD PORT	05"	RB - RAISED FACE X BUTTWELD ⁽¹⁾		R - A182-F316				7 - PCTFE (CRYO)			C - CHAINWHEEL	EB - EXT. BONNET
	S25 - 2500# STD PORT	06"	ZZ - OTHER, SPECIFY		J - A351-CF8M								J - JACKETED
	F1 - 150# FULL PORT	08"											K - LIVE LOAD PACKING
	F3 - 300# FULL PORT	10"											L - LOCKING DEVICE
	F6 - 600# FULL PORT	12"			Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	Z - OTHER, SPECIFY	L - LOCKING DEVICE
	F9 - 900# FULL PORT	14"			B - A216-WCC	O - 17-4PH	1 - F6 (410)	1 - F6-410	A - MEMORY-RPTFE	A - AFLAS			P - SHORT PATTERN
	F15 - 1500# FULL PORT	16"			C - A217-WC6	U - 17-4PH / STL	2 - 304 SS	2 - 304 SS	B - PEEK+graphite	B - NBR (Buna-N, Nitrile)			R - CAVITY RELIEF VALVE
	F25 - 2500# FULL PORT	18"			D - A217-WC9	V - 17-4PH / TC	3 - 310 SS	3 - 310 SS	C - DELRIN	D - VITON DURO 90			
		20"			E - A217-C5	1 - F6 (410)	4 - F316/316L	4 - F316/316L	D - F22	E - VITON GF			
		24"			F - A217-C12	2 - 304 SS	9 - MONEL	9 - MONEL	G - SS 316	G - GRAPHITE			
		30"			G - A352-LCB	3 - 310 SS	B - ALLOY 20	B - ALLOY 20	S - STL	K - KALREZ			
		36"			I - A351-CF8	4 - F316/316L	C - F321	C - F321	T - TUNGSTEN CARBIDE	P - PTFE (Lip seals)			
		40"			K - A351-CF3	9 - MONEL	D - F22	D - F22	5 - FEP	R - RPTFE (Lip seals)			
		42"			L - A351-CF3M	B - ALLOY 20	E - F347	E - F347	9 - VITON DURO 90	T - POLYMYTE ORANGE			
		48"			M - A351-CN7M	C - F321	X - F51	X - F51	1 - NYLON/MoS ₂	V - VITON A (-20°F)			
		50"			N - A351-CF8C	D - F22	Y - F53	Y - F53		X - VITON AED (-30°F)			
		60"			Q - A890 CD3MN	E - F347							
					T - A350-LF3	X - F51							
					W - A182 F304/304L	Y - F53							
					X - A182 F51								
					Z - A182-F55								
					4 - A182 F316/316L								
													Z - OTHER, SPECIFY
													SPECIAL DESIGNATIONS:
													D1 ⁽⁷⁾ , DIB 1
													D2 ⁽⁷⁾ , DIB 2

***Notes**

- 1) Customer to specify schedule for Butt Weld valves.
- 2) All bolting shall be selected based on the body/bonnet material. A105N shall be B7M/2HM and A350 LF2 shall be L7M/7M.
- 3) 3 mil ENP coating.
- 4) Heat treated to meet NACE requirements.
- 5) Spiral wound graphite gasket.
- 6) Low Temp. NACE valves gear operators are supplied with low temp grease.
- 7) Standard seat design is Unidirectional (Self Relieving), Other seat options available: DIB-1: Both seats bi-directional with body cavity plug. Cavity relief valve sold separately DIB-2: One seat unidirectional and the other seat bi-directional.

- Design/Testing Standards and Features:
- 1) Designed and Marked to API 6D, CSA Z245.15-13, NACE MR 0175/ISO 15156, ASME B16.34, 16.5.
 - 2) Tested to API 6D, CSA Z245.15-13.
 - 3) Certified to API 607, 641.
 - 4) Quality Management System to API Q1, ISO 9001.
 - 5) Top works mounting pad per ISO 5211.
 - 6) Blow out proof stem design, Adjustable packing, Anti-static device, Locking device.
 - 9) CRN registration for all products.