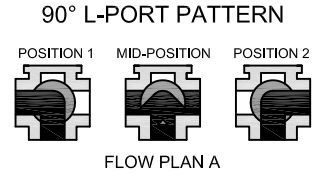


APPLICABLE STANDARDS:  
 Design: ASME B16.34, MSS SP-110  
 Pipe Thread: ASME B1.20.1  
 Seat/Shell Test: MSS SP-110



21	Stop Nut	A194-8	1
20	Stop Bolt	A193-B8	1
19	Body Gasket	PTFE	3
18	Handle Sleeve	VINYL PLASTIC	1
17	Lock Device	304SS	1
16	Handle	304SS	1
15	Stop-lock-cap	304SS	1
14	Handle Gland	304SS	1
13	Stem Nut	A194-8	2
12	Belleville Washer	301SS	2
11	Gland	316SS	1
10	Bushing	50%SS+50%PTFE	1
9	V-Ring Stem Packing	PTFE	1Set
8	O-Ring	FKM(VITON)	1
7	Thrust Washer	PTFE	1
6	Anti-Static Device	316SS	2
5	Stem	316SS	1
4	Ball Seat	RTFE	4
3	Ball	316SS	1
2	End Cap	ASTM A351 Gr.CF8M	3
1	Body	ASTM A351 Gr.CF8M	1

Ref.No.	Description	Material	Qty.
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■ DIMENSION TABLE

Unit: inch

Pressure	New FNW Code	Size	Ød	L	H1	H	M	W	ØB1	ØB2	ØA1	ØA2	F	P	ISO 5211	K	HEX.B
1000CWP	FNW233AD	1/2"	0.43	3.11	1.65	2.76	0.35	5.79	1.65	1.42	0.24	0.24	1.56	0.35	F03/F04	7/16-20UNF	1.06
	FNW233AF	3/4"	0.59	3.46	1.93	3.03	0.35	5.79	1.97	1.42	0.28	0.24	1.73	0.35	F03/F05	7/16-20UNF	1.34
	FNW233AG	1"	0.79	4.25	2.34	3.43	0.43	6.95	1.97	1.65	0.28	0.24	2.13	0.43	F04/F05	9/16-18UNF	1.61
	FNW233AH	1-1/4"	0.98	4.88	2.48	3.66	0.43	6.95	2.76	1.65	0.35	0.24	2.44	0.43	F04/F07	9/16-18UNF	1.97
	FNW233AJ	1-1/2"	1.26	5.31	2.89	4.06	0.55	8.46	2.76	1.97	0.35	0.28	2.66	0.55	F05/F07	3/4-16UNF	2.20
	FNW233AK	2"	1.57	6.46	3.26	4.45	0.55	8.46	2.76	1.97	0.35	0.28	3.23	0.55	F05/F07	3/4-16UNF	2.76

							1/2"-2" 1000CWP 3-Way Ball Valve Assembly Drawing FNW 233A			Materia NO.			
										Draw. NO.		233A	
Mark	Amount	Subarea	Revision NO.	Signature	Date	Projection			Material	CF8M	Edition	6	
Drawing		hm.huang	2011.1.27	Recheck		Proportion			Weight		Page of		
Design													
Check													
Standardization				Approve									