



SIZES 2-1/2" & 3"

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

15	Handle Cover	VINYL PLASTIC	1
14	Handle	304SS	1
13	Locking Pad	304SS	1
12	Handle Nut	304SS	1
11	Handle Washer	304SS	1
10	Gland Nut	304SS	1
9	Stem Packing	PTFE	1 Set
8	Thrust Washer	TFM4215	1
7	Body Gasket	PTFE	1
6	Anti-Static Device	316SS	2
5	Stem	316SS	1
4	Seat	TFM1600+20%GF	2
3	Ball	316SS	1
2	End Cap	ASTM A351 Gr.CF8M	1
1	Body	ASTM A351 Gr.CF8M	1
Ref.No.	Description	Material	Qty.

■ DIMENSION TABLE

Unit: inch

Pressure	New FNW Code	Size	Ød	L	H1	H2	H	W	S	M1	M2	M3	M	HEX.B
2000CWP	FNW220AB	1/4	0.42	2.17	1.34	0.40	2.52	3.74	0.314	0.50	1.12	10-24UNC	1.06	
	FNW220AC	3/8	0.50	2.17	1.34	0.40	2.52	3.74	0.314	0.50	1.12	10-24UNC	1.06	
	FNW220AD	1/2	0.59	2.55	1.34	0.40	2.52	4.92	0.314	0.50	1.12	10-24UNC	1.06	
	FNW220AF	3/4	0.79	3.03	1.52	0.43	2.64	4.92	0.314	0.88	1.38	10-24UNC	1.26	
	FNW220AG	1	0.98	3.46	1.46	0.42	3.27	5.51	0.314	0.88	1.38	10-24UNC	1.61	
1500CWP	FNW220AH	1-1/4	1.25	4.01	2.09	0.83	3.50	5.51	0.314	1.00	1.50	1/4"-20UNC	1.97	
	FNW220AJ	1-1/2	1.50	4.33	2.44	1.12	3.93	7.87	0.472	1.00	1.50	1/4"-20UNC	2.20	
	FNW220AK	2	1.97	4.92	2.36	1.09	4.25	7.87	0.472	1.00	1.50	1/4"-20UNC	2.76	
1000CWP	FNW220AL	2-1/2	2.50	6.45	2.24	0.93	5.91	9.84	0.472	1.18	2.76	1.38	1/4"-20UNC	3.27
	FNW220AM	3	2.99	7.12	2.12	0.93	6.34	9.84	0.472	1.28	2.76	1.28	1/4"-20UNC	4.02

							1/4"-3" 1000-2000CWP 2PC Thread Ball Valve Assembly Drawing FNW220A	Material NO.				
								Draw. NO.	220A			
Mark	Amount	Subarea	Revision NO.	Signature	Date		Projection	Material	CF8M	Edition	8	
Drawing		hm.huang	2011.7.15	Recheck			Proportion	Weight		Page of		
Design							Check					
Standardization				Approve								

