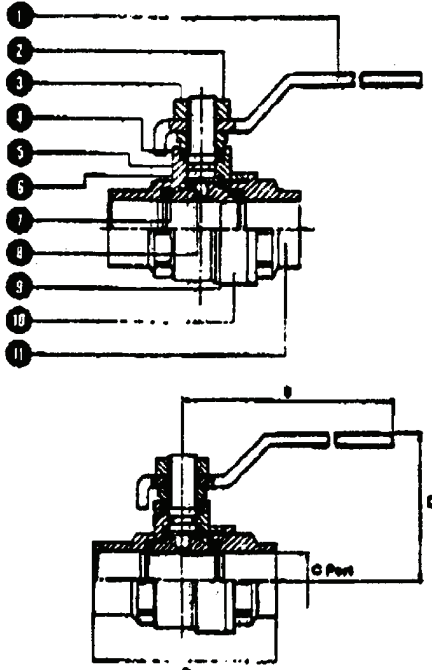


# FP600 FULL PORT BALL VALVE

## SPECIFICATIONS

**S-FP600 Solder End (C x C)**  
1/2" through 2" 600 WOG



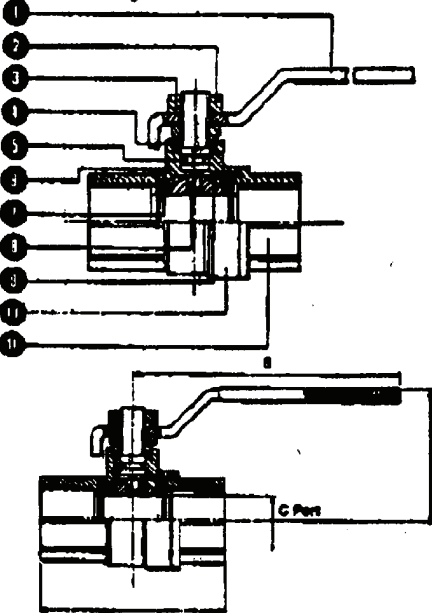
### MATERIALS LIST

PART	SPECIFICATION
1 Handle	Zinc-Plated Steel w/Vinyl Sleeve
2 Handle Nut	Zinc-Plated Steel
3 Packing Nut	Brass
4 Packing	PTFE
5 Stem Seal	Viton "O" Ring
6 O-Ring Washer	PTFE
7 Seats	PTFE
8 Ball	Chrome-Plated Brass
9 Body End	Forged Brass

### DIMENSIONS (INCHES) WEIGHTS QUANTITIES

	1/2"	3/4"	1"	1 1/2"	2"
A	2.03	2.81	3.27	3.88	4.43
B	3.39	3.38	4.19	4.19	4.19
C Port	0.59	0.79	0.98	1.28	1.57
Approx. Weight (lb.)	.46	.67	1.10	1.44	2.31
Master Carton Qty.	72	60	48	32	18

**T-FP600 Threaded End (IPS)**  
1/2" through 2" 600 WOG



### MATERIALS LIST

PART	SPECIFICATION
1 Handle	Zinc-Plated Steel w/Vinyl Sleeve
2 Handle Nut	Zinc-Plated Steel
3 Packing Nut	Brass
4 Packing	PTFE
5 Stem Seal	Viton "O" Ring
6 O-Ring Washer	PTFE
7 Seats	PTFE
8 Ball	Chrome-Plated Brass
9 Body End	Forged Brass

### DIMENSIONS (INCHES) WEIGHTS QUANTITIES

	1/2"	3/4"	1"	1 1/2"	2"
A	2.32	2.65	3.05	3.82	4.00
C Port	0.59	0.79	0.98	1.28	1.57
Approx. Weight (lb.)	.51	.73	1.19	1.72	2.50
Master Carton Qty.	72	60	48	32	18



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Printed in U.S.A.

LAST REV. DATE - 4-1-99  
REVISION LEVEL - 001  
CHANGED BY - ELC  
CATALOG NUMBER -  
(if not printed on the catalog page)  
PART NUMBER - 7100-923



# FP600 BALL VALVES

## FULL PORT 800 WOG

### APPLICATIONS

Multi-purpose shut-off valve for use in domestic hot and cold water systems, natural and bottled gas applications, and compressed air services.

### MATERIALS & CONSTRUCTION

- Forged brass bodies and end pieces for increased strength.
- Full port construction for high flow coefficient.
- Durable chrome-plated brass ball.
- Viton "O" Ring and PTFE packing for upper-stem seal, and PTFE thrust washer for lower-stem seal. This exclusive design provides superior sealing and operating reliability.
- Stem-threaded packing nut for easy adjustment.

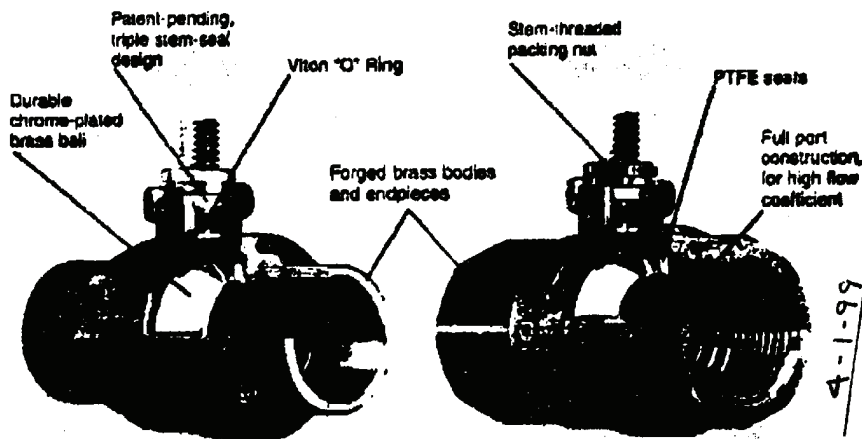
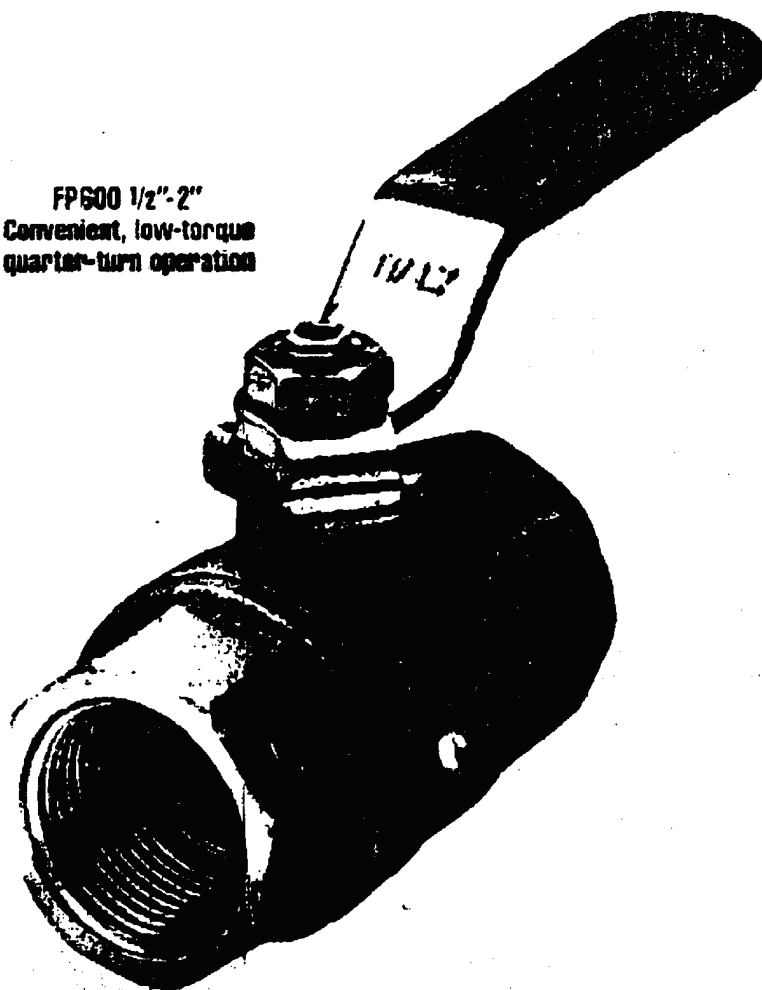
### DESIGN CERTIFICATION

#### Threaded (IPS) only:

- AGA 3-88: Manual Valves for Indoor Piping Systems. Pressure rating: 5 psig.
- CGA CR 91-002: Manually Operated Gas Valves for Use on Piping Systems Installed Indoors. Pressure rating: 5 psig.
- UL listed Subject 258: Valves for Trim and Drain. Pressure rating: 175 psi.
- Each valve individually tested in ISO 9002 facility.



FP600 1/2"-2"  
Convenient, low-torque  
quarter-turn operation



S-FP600 SOLDER END

T-FP600 THREADED END

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4-1-99  
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EL  
7100-923

# Brass Ball Valves

Two-Piece Body • Full Port • Blowout-Proof Stem • PTFE Seats

**1/4"-2" 600 PSI/41.4 Bar Non-Shock Cold Working Pressure**  
**2 1/2"-4" 400 PSI/27.6 Bar Non-Shock Cold Working Pressure**

CSA CERTIFIED TO ASME B16.44  
AND CR91-002 (THREADED 1/4"-4") • UL LISTED (THREADED 1/4"-4")  
• IAPMO LISTED TO NSF/ANSI 61-8  
• FM APPROVED (THREADED 1/4"-2")

CSA (1/4" - 4"):

- CR91-002: 1/2 psig, 2 psig, and 5 psig (these are specific approved categories)
- ASME B13.44: 125 psig (maximum)
- Temperature is -4° F to 194° F

FM (1/4" - 2"):

- 175wvp (both SFP600A and TFP600A)

UL, Gas and Oil (1/4" - 4"):

- YQNZ, Compressed Gas Shutoff Valves: 250 psi
- YRBX, Flammable Liquid Shutoff Valves: 250 psi
- YRPV, Gas Shutoff Valves: 250 psi
- YSDT, LP-Gas Shutoff Valves: 250 psi
- MHKZ, Manual Valves: 250 psi

## MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>2</sup> CU > 57%
2. End Cap	Forged Brass <sup>2</sup> CU > 57%
3. Ball Seat	PTFE
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring (Stem Seal)*	Fluorocarbon (FKM)
7. Stem Packing	PTFE
8. Packing Nut	Brass
9. Lever Handle <sup>1</sup>	Steel, Plated
10. Lock Washer*	Stainless Steel
11. Handle Nut <sup>1</sup>	Stainless Steel

Note: \* Parts 6 and 10 are applicable of S-FP-600A only.

<sup>1</sup> Due to Standard Approvals, Lever Handles and Nuts are not interchangeable between Solder and Threaded. There are no handle options at this time.

<sup>2</sup> For Material Certification, contact NIBCO Technical Services.

## DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions																							
Size		T-FP-600A		S-FP-600A		T-FP-600A		S-FP-600A		T-FP-600A		S-FP-600A		Port D		T-FP-600A		S-FP-600A		T-FP-600A		S-FP-600A	
		A		A		B		B		C		C											
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn.	Qty.	Ctn.	Qty.
¼	8	1.76	45	—	—	1.73	44	—	—	3.54	90	—	—	.39	10	.33	.15	—	—	18		—	
⅜	10	1.76	45	1.75	44	1.73	44	1.58	40	3.54	90	3.78	96	.39	10	.30	.14	.38	.17	18		18	
½	15	2.05	52	2.01	51	1.92	49	1.78	45	3.54	90	3.78	96	.59	15	.44	.20	.40	.18	18		18	
¾	20	2.36	60	2.74	70	2.09	53	2.13	54	3.78	96	3.98	101	.75	19	.66	.30	.67	.30	12		12	
1	25	2.76	70	3.35	85	2.56	65	2.52	64	4.53	115	4.41	112	.98	25	1.10	.50	1.12	.51	6		6	
1¼	32	3.31	84	3.78	96	2.95	75	2.65	67	4.53	115	5.04	128	1.26	32	1.57	.71	1.49	.67	4		4	
1½	40	3.66	93	4.42	112	3.35	85	3.12	79	5.51	140	6.22	158	1.57	40	2.40	1.09	2.38	1.08	2		2	
2	50	4.18	106	5.34	136	3.68	93	3.41	87	5.51	140	6.22	158	1.97	50	3.37	1.53	3.62	1.64	2		2	
2½	65	5.38	137	6.28	160	4.76	121	4.76	121	8.66	220	8.66	220	2.56	65	7.60	3.45	6.36	2.88	3		3	
3	75	6.04	153	7.15	182	5.08	129	5.08	129	8.66	220	8.66	220	2.95	75	9.36	4.24	8.32	3.77	2		2	
4	100	7.39	188	—	—	5.87	149	—	—	9.61	244	—	—	3.89	99	16.85	7.64	—	—	1		—	

LAST REV. DATE - 1999-04-01  
REVISION LEVEL - 001  
CHANGED BY - EL  
CATALOG NUMBER - T-FP-600  
(if not printed on the catalog page)  
PART NUMBER - 7100-923

