

77F-100 Series

Full Port Threaded End Brass Ball Valve

SUBMITTAL SHEET

"Apollo" Flow Controls



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The Apollo 77F-100 Series is a full port forged brass ball valve suitable for a wide range of flow control applications including HVAC, fuel gas, fire protection, irrigation etc. These NPT threaded, 2-piece valves combine reliable operation with maximum economy. Valves include most pertinent agency approvals. Proudly Made in the USA.

FEATURES

- Heavy Pattern Forged Design
- Corrosion Resistant Materials
- Full-Port Flow
- Premium RPTFE Seats and Packing
- Adjustable Stem Packing
- Blowout Proof Stem
- Silicone Free Assembly
- 100% Factory Tested
- **Made in USA, ARRA Compliant**

PERFORMANCE RATING

- Rating: 600 CWP (1/4" - 2")
- Rating: 400 CWP (2-1/2" - 4")
- Steam Rating: 150 psi SWP
- Temperature Range: 0°F - 400°F
- Vacuum Service to 29 in. Hg

Not intended for potable water in USA

APPROVALS

- MSS-SP-110
- IAPMO IGC-157 Ball Valves
- CGA 3.16 (125 PSI)
- CGA CR91-002 (5 PSI)
- ANSI Z21.15/CSA 9.1 (1/2 PSI)
- ASME B16.44 (5 PSI)
- ASME B16.33 (125 PSI) (1/2" - 2")
- FM 1140 (1/4" - 2")
- UL Guides: YSDT, MHKZ, YQNZ, YRBX & YRPV
- UL Guide VQGU (1/4" - 2")

OPTIONS

- (-01) Standard Lever
- (-04) 2-1/4" Stem Extension (1/4" - 2-1/2")
- (-07) Tee Handle (1/4" - 2")
- (-11) Therma-Seal™ Insulating Tee Handle (1/4" - 2")
- (-27) Locking Handle SS (1/4" - 2-1/2")
- (77F140 Series) - SS Ball & Stem
- (77FLF Series) Lead Free (0.25% Lead Max)

STANDARD MATERIALS LIST

Body	Brass, ASTM B283 alloy C37700
Seat	RPTFE
Ball	Brass, ASTM B16, C36000, or B283, C37700 Chrome Plated
Stem Packing	RPTFE
Nut	Corrosion Resistant Plated Steel
Stem	Brass, ASTM B16, C36000
Retainer	Brass, ASTM B283 alloy C37700 or ASTM B16, C3600
Handle	Plated Steel / Insulated Polyvinyl
Gland	Brass, ASTM B16, C36000

DIMENSIONS

PART NUMBER	SIZE (IN.)	DIMENSIONS (IN.)					WT. (LB.)
		A	B	C	D	E	
77F-101-01	1/4"	0.38	0.81	1.62	1.61	2.85	0.3
77F-102-01	3/8"	0.38	0.85	1.70	1.61	2.85	0.3
77F-103-01	1/2"	0.50	1.14	2.25	1.66	2.85	0.5
77F-104-01	3/4"	0.75	1.26	2.51	1.91	3.86	0.8
77F-105-01	1"	1.00	1.60	3.20	2.11	3.86	1.3
77F-106-01	1-1/4"	1.25	1.73	3.46	2.44	4.75	2.1
77F-107-01	1-1/2"	1.50	2.00	4.00	2.91	5.42	3.2
77F-108-01	2"	2.00	2.37	4.47	3.69	7.77	5.6
77F-109-01	2-1/2"	2.50	2.99	5.98	4.14	7.77	12.8
77F-100-01	3"	3.00	3.52	7.05	5.03	9.92	19.7
77F-10A-01	4"	4.00	3.83	7.65	5.70	14.78	25.5

