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

DESCRIPTION

The Apollo® 77C-A "Contractor Series" Ball Valve features a dezincification resistant bronze body, premium RPTFE seats and stem packing and a "Solid Ball" design that delivers true full-port flow performance. Cast and machined in Apollo's South Carolina manufacturing plants using proven ASTM materials. **Not for use with potable water systems in USA.**

FEATURES

- RPTFE Seats & Seals
- Blowout-Proof Stem Design
- Adjustable Stem Packing
- Full-Port "Solid Ball" Design
- 100% Factory Tested
- **100% MADE IN THE USA**

APPROVALS

- MSS SP-110 Compliant
- CRN: OC10908.5C
- IAPMO/ANSI Z1157-2014e1

PERFORMANCE RATING

- Max Pressure: 600 psi CWP | 150 psi SWP
- Max Temperature: 450°F
- Vacuum service to 29 in. Hg

MODELS

- (77C-140 & 77C-240 Series) SS Vented Ball and Stem
- (77CLF) Lead Free 0.25% max; ANSI 3rd Party Certified
- (77C-ULA) UL258 Fire Protection Trim & Drain - NPT & Solder to 2"
- (77G-UL) CSA & UL Gas Listed - NPT 1/2" - 1"

OPTIONS

- (-01) Standard Lever and Trim
- (-04) 2-1/4" Stem Extension
- (-07) Tee Handle
- (-10) S.S. Handle and Nut
- (-11) Therma-Seal™ Insulating Tee
- (-27) Locking Handle
- (-50) 2-1/4" Locking Stem Extension
- (-92) Balancing Stop
- (-94) 2-1/4" Stem Extension and Balancing Stop
- 77C140/240 Series - 316 SS Vented Ball and Stem

STANDARD MATERIALS LIST

| | |
|------------------|--|
| GLAND NUT | ASTM B16 Brass |
| NUT | Zinc Plated Steel |
| PACKING | RPTFE |
| SEATS | RPTFE |
| STEM | ASTM B16 Brass |
| BALL | ASTM B16 Brass Chrome Plated or B283, C37700 Chrome Plated |
| RETAINER | B584 Bronze or B283, C37700 |
| BODY | B584 Bronze |
| HANDLE | Zinc Plated Steel/Vinyl |

DIMENSIONS

| PART NO. | SIZE (IN.) | DIMENSIONS (IN.) | | | | | | | C _v | WT. * (LB.) |
|---------------|------------|------------------|------|------|------|------|------|------|----------------|-------------|
| | | A | B | C | D | E | F | G | | |
| NPT | | | | | | | | | | |
| 77C-101-01A | 1/4" | 0.37 | 0.88 | 1.8 | 1.65 | 2.82 | - | - | 5 | 0.6 |
| 77C-102-01A | 3/8" | 0.37 | 0.94 | 1.86 | 1.65 | 2.82 | - | - | 7 | 0.6 |
| 77C-103-01A | 1/2" | 0.50 | 1.15 | 2.29 | 1.79 | 3.82 | - | - | 16 | 0.6 |
| 77C-104-01A | 3/4" | 0.75 | 1.34 | 2.67 | 1.91 | 3.82 | - | - | 36 | 1.0 |
| 77C-105-01A | 1" | 1.00 | 1.63 | 3.24 | 2.24 | 4.72 | - | - | 68 | 1.8 |
| 77C-106-01A | 1-1/4" | 1.25 | 1.9 | 3.75 | 2.46 | 4.72 | - | - | 125 | 4.2 |
| 77C-107-01A | 1-1/2" | 1.50 | 2.06 | 4.11 | 2.9 | 5.37 | - | - | 177 | 4.6 |
| 77C-108-01A | 2" | 2.00 | 2.43 | 4.85 | 3.68 | 7.72 | - | - | 389 | 7.9 |
| 77C-109-01A | 2-1/2" | 2.50 | 3.03 | 6.02 | 4.13 | 7.72 | - | - | 503 | 16.4 |
| SOLDER | | | | | | | | | | |
| 77C-202-01A | 3/8" | 0.37 | 1.24 | 2.17 | 1.65 | 2.82 | 0.41 | 0.50 | 7 | 0.6 |
| 77C-203-01A | 1/2" | 0.50 | 1.36 | 2.47 | 1.79 | 3.82 | 0.50 | 0.63 | 16 | 0.6 |
| 77C-204-01A | 3/4" | 0.75 | 1.73 | 3.20 | 1.91 | 3.82 | 0.75 | 0.88 | 36 | 1.0 |
| 77C-205-01A | 1" | 1.00 | 2.06 | 3.81 | 2.24 | 4.72 | 0.91 | 1.13 | 68 | 1.5 |
| 77C-206-01A | 1-1/4" | 1.25 | 2.22 | 4.21 | 2.46 | 4.72 | 0.97 | 1.38 | 125 | 3.9 |
| 77C-207-01A | 1-1/2" | 1.50 | 2.53 | 4.90 | 2.9 | 5.37 | 1.09 | 1.63 | 177 | 5.9 |
| 77C-208-01A | 2" | 2.00 | 3.15 | 6.07 | 3.68 | 7.72 | 1.34 | 2.13 | 389 | 7.5 |
| 77C-209-01A | 2-1/2" | 2.50 | 3.78 | 7.17 | 4.13 | 7.72 | 1.48 | 2.63 | 503 | 14.5 |

*Weights based on Standard Configuration

