

'Apollo' Valves

SUBMITTAL SHEET

36C Series

Model PRC - Pressure Reducing Valve



| | |
|------------------------|--|
| Job Name: | |
| Job Location: | |
| Engineer: | |
| Contractor: | |
| Tag: | |
| PO Number: | |
| Representative: | |
| Wholesale Distributor: | |



DESCRIPTION

The Apollo® Model PRC (36C Series) Pressure Reducing Valves are designed to protect non-potable water distribution systems by automatically controlling excessive pressure changes. The valves integral thermoplastic cage provides maximum corrosion resistance. Designed for easy in-line servicing with bottom cleanout access to seat disc and strainer.

FEATURES

- Lead Free Option Available
- Balanced Piston Design
- Sealed Spring Cage Vault
- SS Adjusting Screw & Nut
- Built-in Thermal Expansion By-Pass
- Easy Access to Seat Disc and SS Strainer
- Factory Preset at 50 psi
- NPT, Solder, PEX, CPVC connections
- 100% Manufactured in USA

PERFORMANCE RATING

- Maximum Supply Pressure: 400 psig
- Std. Temperature Range 33°F – 180°F
- Maximum Set Pressure Standard: 75 psig High Pressure: 125 psig

APPROVALS

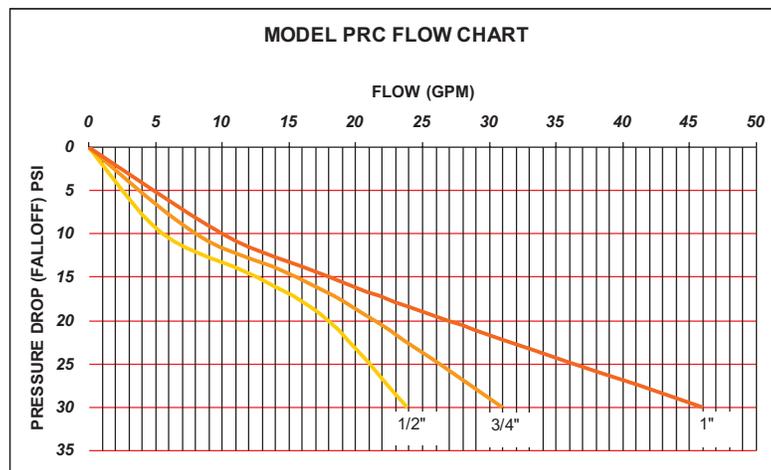
- ASSE 1003
- CSA B356



Not intended for potable water

STANDARD MATERIALS LIST

| Part Name | Material |
|------------------------|----------------------|
| Body | Bronze, ASTM B584 |
| Tailpiece | Brass, ASTM B16 |
| Screen | Stainless Steel |
| Cap | Glass Filled Celcon® |
| Diaphragm | FDA grade EPDM |
| Seat disc | FDA grade EPDM |
| Stem / Adjusting Screw | Stainless Steel |
| Spring | Music Wire ASTM 228 |
| O-Rings | FDA grade Nitrile |



JUMP KIT

For use during system startup and overpressurization.

| Kit Number | Size | Adapter |
|------------|------|----------|
| 36C404JK | 3/4" | Threaded |
| 36C504JK | 3/4" | Solder |
| 36C504JKC | 3/4" | CPVC |
| 36C505JKC | 1" | CPVC |
| 36C904JK | 3/4" | PEX |

– Continued on Next Page –

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**
 701 Matthews Mint-Hill Road, Matthews, NC 28105 USA
www.apollovalves.com | (704) 841-6000

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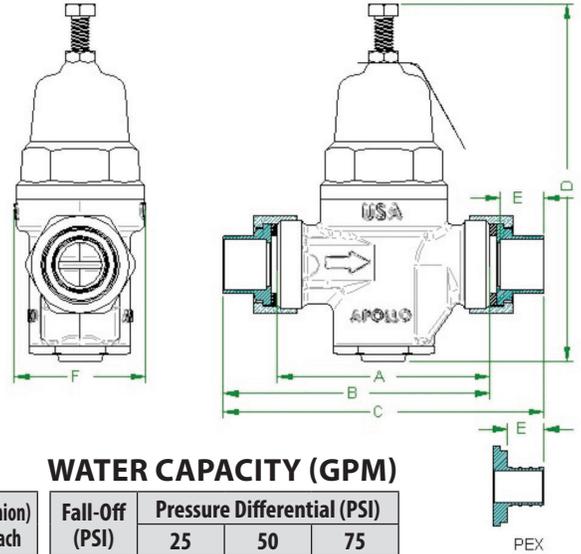


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DIMENSIONS

| Size (in.) | Connect Type | Dimensions (in.) | | | | | | Wt. (Union) lbs. each |
|------------|--------------|------------------|-------|-------|---|-------|-------|-----------------------|
| | | A | B | C | D | E | F | |
| 1/2" | THREAD | 3-5/8 | 4-1/2 | 5-3/8 | 6 | 5/8 | 2-3/4 | 3.5 |
| | SOLDER | 3-5/8 | 4-1/2 | 5-1/2 | 6 | 1/2 | 2-3/4 | 3.4 |
| | PEX | 3-5/8 | 4-1/2 | 5-1/2 | 6 | 5/8 | 2-3/4 | 3.3 |
| | CPVC | 3-5/8 | 4-1/4 | 5 | 6 | 1/2 | 2-3/4 | 3.1 |
| 3/4" | THREAD | 3-5/8 | 4-1/2 | 5-1/2 | 6 | 5/8 | 2-3/4 | 3.4 |
| | SOLDER | 3-5/8 | 4-1/2 | 5-1/2 | 6 | 3/4 | 2-3/4 | 3.3 |
| | PEX | 3-5/8 | 4-5/8 | 5-5/8 | 6 | 5/8 | 2-3/4 | 3.2 |
| | CPVC | 3-5/8 | 4-1/2 | 5-1/2 | 6 | 5/8 | 2-3/4 | 3 |
| 1" | THREAD | 3-3/4 | 4-5/8 | 5-3/4 | 6 | 5/8 | 3-3/8 | 4.5 |
| | SOLDER | 3-3/4 | 4-5/8 | 5-3/4 | 6 | 7/8 | 3-3/8 | 4.4 |
| | PEX | 3-3/4 | 4-3/4 | 6 | 6 | 3/4 | 3-3/8 | 4.3 |
| | CPVC | 3-3/4 | 4-3/4 | 6 | 6 | 15/16 | 3-3/8 | 4 |

WATER CAPACITY (GPM)

| Fall-Off (PSI) | Pressure Differential (PSI) | | |
|----------------|-----------------------------|------|------|
| | 25 | 50 | 75 |
| 5 | 1.3 | 1.5 | 1.7 |
| 10 | 4.7 | 5.5 | 6.3 |
| 15 | 10.6 | 12.5 | 14.4 |
| 20 | 15.3 | 18 | 20.7 |
| 5 | 2.1 | 2.5 | 2.9 |
| 10 | 6.8 | 8 | 9.2 |
| 15 | 13.2 | 15.5 | 17.8 |
| 20 | 18.3 | 21.5 | 24.7 |
| 5 | 2.8 | 3.3 | 3.7 |
| 10 | 8.5 | 10 | 11.5 |
| 15 | 15.3 | 18 | 20.7 |
| 20 | 21.3 | 25 | 28.8 |

Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances.

MODEL NUMBER

| PRC | X | X | X | X | X |
|------------------------------|--------------------------|----------------------|-----------|---------------------|---|
| UNION | GAUGE | PRESSURE RANGE | SIZE | END CONNECTION* | |
| blank = Single Union | blank = No Gauge Port | blank = 25 - 75 PSIG | 12 = 1/2" | blank = FNPT x FNPT | |
| E = Extended Union | P = w/Gauge Port Plugged | L = 10 - 35 PSIG | 34 = 3/4" | Single Union | |
| D = Double Union | G = w/Pressure Gauge | H = 75 - 125 PSIG | 1 = 1" | S = Solder x FNPT | |
| T = No Union (Threaded Only) | | | | C = CPVC x FNPT | |
| | | | | X = PEX x FNPT | |
| | | | | Double Union | |
| | | | | S = Solder x Solder | |
| | | | | C = CPVC x CPVC | |
| | | | | X = PEX x PEX | |
| | | | | B = BSPT x BSPT | |
| | | | | SC = Solder x CPVC | |
| | | | | SX = Solder x PEX | |
| | | | | CX = CPVC x PEX | |

* Also available with Press Connections. See 36C-PR Series submittal.

PART NUMBER

| 36C | X | XX | X | X | X |
|-------------------------------|-----------|--------------------------|-------------------------|------------------------------------|---|
| CONNECTION | SIZE | GAUGE | PRESSURE | OPTION | |
| 1 = Single Union NPT | 03 = 1/2" | 0 = Without Gauge | 1 = 25 - 75 PSIG range | C = CPVC Tailpiece | |
| 2 = No Union NPT | 04 = 3/4" | P = w/Gauge Port Plugged | 2 = 10 - 35 PSIG range | AUB = Extended Union (3/4" and 1") | |
| 3 = Single Union Solder x NPT | 05 = 1" | G = w/Gauge | 3 = 75 - 125 PSIG range | | |
| 4 = Double Union NPT | | | | | |
| 5 = Double Union Solder | | | | | |
| 9 = Double Union PEX | | | | | |

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