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|---|---|
| <p>Isolator R: Automatic Flow Controls Valve</p> <p>Isolator S: Combination Y-Strainer and Ball Valve with CPTA & Drain Valve</p> | END CONNECTIONS: <input type="checkbox"/> FNPT <input type="checkbox"/> SWT <input type="checkbox"/> ProPress ¹ <input type="checkbox"/> FNPT x MNPT |
| | LINE SIZE: <input type="checkbox"/> 1/2" - 3/4" <input type="checkbox"/> 1/2"L - 1" <input type="checkbox"/> 1" L - 1-1/2" <input type="checkbox"/> 1-1/2"L - 2" |
| | BALL & STEM: <input type="checkbox"/> Nickel-plated brass ball & brass stem <input type="checkbox"/> Stainless Steel ball & stem |
| | COMPONENT OPTIONS: <input type="checkbox"/> Extension Kit |
| | HOSE OPTIONS Type: <input type="checkbox"/> F.R. SS Hose <input type="checkbox"/> Insulated Length <input type="checkbox"/> 12" <input type="checkbox"/> 18" <input type="checkbox"/> 24" <input type="checkbox"/> 36" |
| TEMPERATURE CONTROLS: None Available | |

Specifications

Isolator R: Forged brass (ASTM B283) automatic flow control valve Assembly includes integrated isolation ball valve and stainless steel flow control cartridge. Cartridge can be removed for inspection, or can be replaced without disturbing piping connections. Valve housing includes field repairable dual Teflon and EPDM o-ring seal stem, with Nickel plated ball. Valve includes one fixed end (FNPT or SWT) connection and one union (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Valve body has two ports with (1) Pressure/Temperature Test Valves, and (1) combination Pressure/Temperature Test Valves and manual air vent (**CPTA**). Valve is fully assembled. PSI/Temperature Rating: 400 PSI / 250°F.

Isolator S: Ball valve and integrated strainer. Valve housing is forged brass with field repairable dual Teflon and EPDM o-ring seal stem, with Nickel plated ball. Strainer is 20 mesh stainless steel and can be removed from housing without disturbing pipe connections for inspection or replacement. Valve includes one fixed (FNPT or SWT) connection and one union (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Body has one port with combination Pressure/Temperature Test Valves and manual air vent (**CPTA**). Assembly includes drain valve with 3/4" hose connection with cap. Valve is fully assembled. PSI/Temperature Rating: 400 PSI / 250°F.

Drain Valve: Rated 275 PSI / 250°F. Brass housing, Nickel plated ball. 3/4" NPSH hose connection.

Pressure/Temperature Test Valve: Rated 1000 PSI / 350°F. Brass Housing, Nordel Seal.

Combination Pressure/Test Valve & Manual Air Vent (CPTA): Pressure/Temperature Test Valve works in conjunction with valve body feature to function as Manual Air Vent. Requires both components to operate as manual air vent.

NOTES

¹ ProPress option is MNPT x ProPress adapters.

CPP-1IRIS PACKAGES

Model Number Selection:

| Size | Model Number- FNPT | Model Number- SWT | Model Number- PROGRESS | Model Number – FNPT x MNPT |
|--------------|--------------------|-------------------|------------------------|----------------------------|
| 1/2" | AA.CPP1IRIR0EE | AA.CPP1IRIR0LL | AA.CPP1IRIR077 | AA.CPP1IRIR0EH |
| 3/4" | AA.CPP1IRIR0FF | AA.CPP1IRIR0MM | AA.CPP1IRIR088 | AA.CPP1IRIR0FI |
| 1/2" Large | A.CPP1IRIR1EE | A.CPP1IRIR1LL | A.CPP1IRIR177 | A.CPP1IRIR1EH |
| 3/4" Large | A.CPP1IRIR1FF | A.CPP1IRIR1MM | A.CPP1IRIR188 | A.CPP1IRIR1FI |
| 1" | A.CPP1IRIR1GG | A.CPP1IRIR1NN | A.CPP1IRIR199 | A.CPP1IRIR1GJ |
| 1" Large | B.CPP1IRIR2GG | B.CPP1IRIR2NN | B.CPP1IRIR299 | B.CPP1IRIR2GJ |
| 1-1/4" | B.CPP1IRIR2PP | B.CPP1IRIR2KK | n/a | B.CPP1IRIR2PS |
| 1-1/2" | B.CPP1IRIR2QQ | B.CPP1IRIR2WW | n/a | B.CPP1IRIR2QT |
| 1-1/2" Large | C.CPP1IRIR3QQ | C.CPP1IRIR3WW | n/a | C.CPP1IRIR3QT |
| 2" | C.CPP1IRIR3RR | C.CPP1IRIR3YY | n/a | C.CPP1IRIR3RU |

NOTES:

- Optional Extension Kit- includes cap and tube for insulation around handle, and appropriate number of extensions for PT/CPTA included in package. Add a "1" to the end of the model number to designate 1-1/2" insulation option and a "2" to the end of the model number to designate 2" insulation option.
- Standard CPPs include nickel-plated brass ball and brass stem. For optional stainless steel ball and stem change "CPP" to "CPS" in model number.

Isolator R Flow Rates (+/- 5%)

| SIZE | MODEL NO. | HEAD LOSS IN FEET ² | PSID RANGE | GPM |
|------------------------|-----------|--------------------------------|-------------------|---|
| 1/2", 3/4" | IR02__ | 7.4 | 2-32 ³ | 0.25, 0.33, 2.00, 2.50, 3.00 |
| | IR04__ | 13.4 | 4-57 | 0.50, 1.00, 1.50, 2.00, 2.50, 3.00 |
| 1/2"L, 3/4", 1" | IR11__ | 3.5 | 1-14 | 0.33, 0.50, 0.67, 1.00, 1.33, 1.67, 2.00, 2.33, 2.67, 3.33, 4.00, 4.67, 5.00 |
| | IR12__ | 7.4 | 2-32 | 0.55, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00, 5.00, 6.00, 7.00, 8.00 |
| | IR14__ | 13.4 | 4-57 | 0.75, 1.00, 1.33, 2.00, 2.67, 3.33, 4.00, 4.67, 5.33, 6.67, 8.00, 9.33, 10.00 |
| | IR18__ | 30.0 | 8-128 | 1.10, 1.50, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 10.0, 12.0, 14.0, 16.0 |
| 1"L, 1-1/4", 1-1/2" | IR21__ | 3.5 | 1-14 | 5.33, 6.00, 6.67, 7.33, 8.00, 8.67, 9.33, 10.00, 10.67, 11.33, 12.00, 12.67, 13.33, 14.00, 14.67 |
| | IR22__ | 7.4 | 2-32 | 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0, 21.0, 22.0 |
| | IR24__ | 13.4 | 4-57 | 10.67, 12.00, 13.33, 14.67, 16.00, 17.33, 18.67, 20.00, 21.33, 22.67, 24.00, 25.33, 26.67, 28.00, 29.33 |
| | IR28__ | 30.0 | 8-128 | 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0 |
| 1-1/2"L - 2" | IR31__ | 3.5 | 1-14 | 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38 |
| | IR32__ | 7.4 | 2-32 | 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57 |
| | IR34__ | 13.4 | 4-57 | 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76 |
| | IR38__ | 30.0 | 8-128 | 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114 |

NOTES

² Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)

³ Systems with entrained air and fluid velocities less than 4fps are susceptible to noise when using the 2-32 cartridge in the IR0 housing. If your system has entrained air and flowrates less than 2 gpm please use the 4-57 cartridge.