

 <p>Isolator R: Automatic Flow Control 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"/> QuickPress ¹ <input type="checkbox"/> FNPT (Line) & MNPT (Coil) <input type="checkbox"/> SWT (Line) & FNPT (Coil)
	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 (FNPT COIL) Swivel Type: <input type="checkbox"/> MNPT <input type="checkbox"/> SWT Length: <input type="checkbox"/> 12" <input type="checkbox"/> 18" <input type="checkbox"/> 24" <input type="checkbox"/> 36"
CONTROL VALVE (CV): 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: 600 WOG 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: 600 WOG 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 QuickPress is available on 1/2" to 1" valves only. Connections are compatible with popular press tools and are rated for maximum 200 PSI.

MODEL NUMBER SELECTION

Size	Model Number- FNPT	Model Number- SWT	Model Number- QUICKPRESS	Model Number – FNPT x MNPT	Model Number- SWT x FNPT
1/2"	CPP1IRIR0EE	CPP1IRIR0LL	CPP1IRIR077	CPP1IRIR0EH	CPP1IRIR0LE
3/4"	CPP1IRIR0FF	CPP1IRIR0MM	CPP1IRIR088	CPP1IRIR0FI	CPP1IRIR0MF
1/2" Large	CPP1IRIR1EE	CPP1IRIR1LL	CPP1IRIR177	CPP1IRIR1EH	CPP1IRIR1LE
3/4" Large	CPP1IRIR1FF	CPP1IRIR1MM	CPP1IRIR188	CPP1IRIR1FI	CPP1IRIR1MF
1"	CPP1IRIR1GG	CPP1IRIR1NN	CPP1IRIR199	CPP1IRIR1GJ	CPP1IRIR1NG
1" Large	CPP1IRIR2GG	CPP1IRIR2NN	CPP1IRIR299	CPP1IRIR2GJ	CPP1IRIR2NG
1-1/4"	CPP1IRIR2PP	CPP1IRIR2KK	n/a	CPP1IRIR2PS	CPP1IRIR2KP
1-1/2"	CPP1IRIR2QQ	CPP1IRIR2WW	n/a	CPP1IRIR2QT	CPP1IRIR2WQ
1-1/2" Large	CPP1IRIR3QQ	CPP1IRIR3WW	n/a	CPP1IRIR3QT	CPP1IRIR3WQ
2"	CPP1IRIR3RR	CPP1IRIR3YY	n/a	CPP1IRIR3RU	CPP1IRIR3YR

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" extension option and a "2" to the end of the model number to designate 2" extension option.²
- Standard CPPs include nickel-plated brass ball and brass stem. For optional stainless steel ball and stem change "CPP" to "CPS" in model number.

FLOW RATES (+/-5%)

SIZE	IR MODEL NO.	HEAD LOSS IN FEET ³	PSID RANGE	GPM
1/2", 3/4"	IR02	7.4	2-32 ⁴	0.25, 0.33, 0.50, 1.00, 1.50, 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 Extension Option includes handle cover and accessory extensions for either 1-1/2" or 2" Insulation.

³ Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)

⁴ 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.