

AUTOMATIC FLOW LIMITING 2 1/2"–3" FLANGE/GE ISOLATOR"R"

ACCESSIBLE CARTRIDGE

SPECIFICATIONS

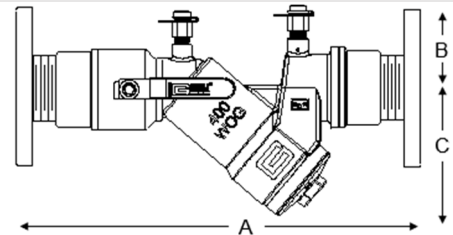


PSI/Temperature Rating: 400WOG 275 PSI / 250°F
Cartridge: AISI Type 304 stainless steel
 AISI Type 17-7 PH stainless steel spring
Body Material: Cast brass
End Connections: Carbon Steel Raised Face Flange, Class 150, ANSI B16-5 (Grooved End or MNPT connections available)
Ball Valve Seals: Teflon
Body Tappings¹: Two Combination P/T Test Valve and Manual Air Vent (CPTA)
Ball Valve: Nickel-plated brass ball
 Optional: Stainless Steel ball
Field Repairable Stem: Dual Teflon seals and EPDM O-ring

DIMENSIONS & WEIGHTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

SIZE	A ²	B	C	D Depth	Cv ³	WEIGHT (LBS.)
2-1/2"	15.4	3.5	5.9	4.0	75	26.9
3"	16.3	3.8	5.9			30.1



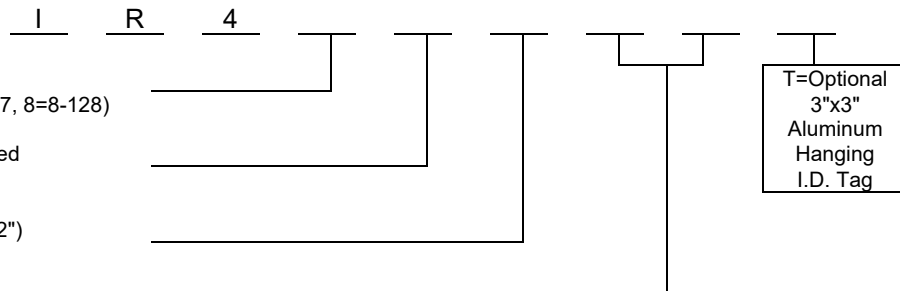
MODEL NUMBER SELECTION⁴

Select a PSID control range:
 (1=1-14 or 1-20, 2=2-32 or 8-32, 4=4-57, 8=8-128)

Select Ball and Stem Package (P=Plated Ball, S=SS Ball and Stem)

Extension Option⁵ (0=No, 1=1-1/2", 2=2")

Flanged End Size (M9= 2-1/2", N9=3")
 Grooved End Size (MG=2-1/2", NG=3")
 Flange Outlet, MNPT Inlet (MC=2-1/2", NC=3")



FLOW RATES (+/-5%)

SIZE	MODEL NO.	HEAD LOSS IN FEET ⁶	PSID RANGE	GPM			HEAD LOSS IN FEET ⁶	PSID RANGE	HIGHER FLOW RATES/ NO INCREMENTS
				MIN.	INCREMENT	MAX			
2-1/2", 3"	IR41	3.5	1-20	14.0	2.0	60	9.2	4-20	90, 110, 130
	IR42	7.4	2-32	17.5	2.5	75	18.4	8-32	110, 135, 160
	IR44	13.4	4-57	23.33	3.33	100	NONE		
	IR48	30.0	8-128	35.0	5.0	150			

NOTES

- Body Tappings for accessories are a leak proof metal to metal seal and do not require pipe dope or tape. Tape or dope should not be used.
- Deduct 0.25" from the MC and NC option.
- Cv's are based on housing without cartridge.
- Model no. and flow rate are indicated on label affixed to body.
- Extension Option includes handle cover and accessory extensions.
- Head Loss in Feet is provided for pump head calculations. (1 PSI = 2.307 Feet of Water)

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