

Model YR shown with standard Pressure / Temperature ports.

Product Information

Body: DZR Brass
Flow Cartridge: Series 300 Stainless Steel
 Wear Surfaces with Stainless Steel Spring
Accuracy: ±5%
Rating: 400 psig at 250° F (25 bar at 120° C)

AutoFlow regulator, factory set to automatically limit the flow to within 5% of the specified amount over 95% of the control range. The flow cartridge is removable from the valve body to provide access for regulator changeout, inspection and cleaning without breaking the main piping. Internal wear surfaces of the valve cartridge are stainless steel. Pressure / Temperature ports are standard.

Dimensions not to be used for construction unless prints certified by factory.

Dimensions

Model	Size in./ (mm)	A in./ (mm)	B in./ (mm)	C in./ (mm)	D in./ (mm)	Weight lb./ (kg)	Cv / (Kv)	Maximum gpm (lps) [†] Control Range psid (kPa)	
								2-32 (14-220)	5-60 (35-414)
YR0050S	1/2 (15)	3.7 (93)	2.3 (59)	1.9 (49)	2.2 (55)	0.9 (0.41)	7.6 (6.6)	8 (0.5)	12 (0.8)
YR0050F	1/2 (15)	4.0 (101)	2.5 (64)	1.9 (49)	2.2 (55)	0.9 (0.41)	7.6 (6.6)	8 (0.5)	12 (0.8)
YR0075S	3/4 (20)	4.1 (103)	2.5 (63)	1.9 (49)	2.2 (55)	1.0 (0.45)	8.7 (7.5)	8 (0.5)	12 (0.8)
YR0075F	3/4 (20)	4.2 (106)	2.6 (67)	1.9 (49)	2.2 (55)	1.0 (0.45)	8.7 (7.5)	8 (0.5)	12 (0.8)
YR0100S	1 (25)	5.3 (136)	3.2 (80)	2.5 (64)	2.3 (58)	1.9 (0.86)	15.3 (13.2)	18 (1.1)	26 (1.6)
YR0100F	1 (25)	5.5 (140)	3.4 (86)	2.5 (64)	2.3 (58)	1.9 (0.86)	15.3 (13.2)	18 (1.1)	26 (1.6)
YR0125F	1 1/4 (32)	5.8 (148)	3.6 (90)	2.5 (64)	3.1 (80)	2.1 (0.95)	15.2 (13.1)	18 (1.1)	26 (1.6)
YR0150F	1 1/2 (40)	7.0 (177)	5.3 (134)	4.1 (104)	2.5 (64)	4.0 (1.81)	38.7 (33.4)	50 (3.2)	70 (4.4)
YR0200F	2 (50)	7.1 (179)	5.5 (140)	4.1 (104)	2.8 (70)	6.0 (2.04)	42.1 (36.3)	50 (3.2)	70 (4.4)
YR0250F	2 1/2 (65)	9.1 (230)	7.0 (177)	5.2 (132)	2.9 (73)	9.0 (3.63)	87.2 (75.2)	80 (5.0)	120 (7.6)

Notes

Weights based on F X F connections and will vary with mixed options/connections.

All weights and dimensions are subject to minor changes.

Cv's based on component body without flow regulator.

†For pump head calculations, add the indicated pressure drop of 4.6 ft (14 kPa) for 2-32 (14-220) or 11.6 ft (35 kPa) for 5-60 (35-414) to calculated drops for other components

1 1/4" - 2 1/2" available with sweat adaptor

Available in ISO7

3 ports only available

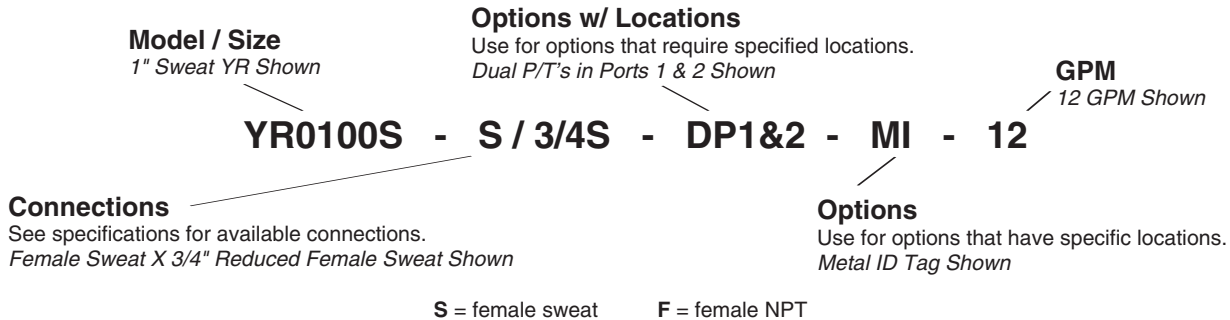
S = female sweat F = female NPT

Flow Rates

Size	psid Range	Flow Rate (gpm)
1/2" - 3/4"	2 - 32	0.33, 0.5, 0.67, 0.75, 0.88, 1.0, 1.1, 1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0
	5 - 60	1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 11, 12
1" - 1 1/4"	2 - 32	0.5, 0.75, 1.0, 1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 11, 12, 13, 14, 15, 16, 17, 18
	5 - 60	1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26
1 1/2" - 2"	2 - 32	5.0, 6.0, 7.0, 8.0, 9.0, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50
	5 - 60	8.0, 9.0, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70
2 1/2"	2 - 32	9.0, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 56, 60, 64, 68, 72, 76, 80
	5 - 60	13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120

Size	kPa Range	Flow Rate (lps)
15 - 20 mm	14 - 220	0.03, 0.05, 0.06, 0.08, 0.09, 0.11, 0.13, 0.14, 0.16, 0.19, 0.22, 0.25, 0.28, 0.32, 0.33, 0.38, 0.44, 0.50, 0.67, 0.88, 1.1
	35 - 414	0.06, 0.09, 0.13, 0.16, 0.19, 0.25, 0.32, 0.38, 0.44, 0.50, 0.57, 0.63, 0.69, 0.76
25 - 32 mm	14 - 220	0.03, 0.05, 0.06, 0.08, 0.09, 0.11, 0.13, 0.14, 0.16, 0.19, 0.22, 0.25, 0.28, 0.32, 0.38, 0.44, 0.50, 0.57, 0.63, 0.69, 0.76, 0.82, 0.88, 0.95, 1.01, 1.07, 1.14
	35 - 414	0.06, 0.09, 0.13, 0.16, 0.19, 0.25, 0.32, 0.38, 0.44, 0.50, 0.57, 0.63, 0.69, 0.76, 0.82, 0.88, 0.95, 1.01, 1.07, 1.14, 1.20, 1.26, 1.32, 1.39, 1.45, 1.51, 1.58, 1.64
40 - 50 mm	14 - 220	0.32, 0.38, 0.44, 0.50, 0.57, 0.63, 0.69, 0.76, 0.82, 0.88, 0.95, 1.01, 1.07, 1.14, 1.26, 1.39, 1.51, 1.64, 1.77, 1.89, 2.02, 2.15, 2.27, 2.40, 2.52, 2.65, 2.78, 2.90, 3.03, 3.15
	35 - 414	0.50, 0.57, 0.63, 0.69, 0.76, 0.82, 0.88, 0.95, 1.01, 1.07, 1.14, 1.20, 1.26, 1.32, 1.39, 1.45, 1.51, 1.58, 1.64, 1.77, 1.90, 2.02, 2.15, 2.27, 2.40, 2.52, 2.65, 2.78, 2.90, 3.03, 3.15, 3.28, 3.41, 3.53, 3.66, 3.79, 3.91, 4.04, 4.16, 4.29, 4.42
65 mm	14 - 220	0.57, 0.63, 0.69, 0.76, 0.82, 0.88, 0.95, 1.01, 1.07, 1.14, 1.26, 1.39, 1.51, 1.64, 1.77, 1.89, 2.02, 2.15, 2.27, 2.40, 2.52, 2.65, 2.78, 2.90, 3.03, 3.15, 3.28, 3.41, 3.53, 3.66, 3.79, 3.91, 4.04, 4.29, 4.54, 4.79, 5.05
	35 - 414	0.82, 0.88, 0.95, 1.01, 1.07, 1.14, 1.20, 1.26, 1.32, 1.39, 1.45, 1.51, 1.58, 1.64, 1.77, 1.89, 2.02, 2.15, 2.27, 2.40, 2.52, 2.65, 2.78, 2.90, 3.03, 3.15, 3.28, 3.41, 3.53, 3.66, 3.79, 3.91, 4.04, 4.16, 4.29, 4.42, 4.54, 4.79, 5.05, 5.30, 5.55, 5.80, 6.06, 6.31, 6.56, 6.81, 7.07, 7.32, 7.57

Model Order Designation



Options Available

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| AA Automatic Air Vent | PI Plastic ID Tag | <i>Various convenience fittings are available.</i> |
| AV Manual Air Vent | PL Plug | |
| DX Ext. P/T Port | SE Stem Extender | |
| HN Hose End Drain | | |