



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 (8.8)	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 (8.8)	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 (10.1)	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 (10.1)	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 (17.7)	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 (17.7)	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 (17.6)	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 (44.7)	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 (48.7)	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 (100.8)	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, 3.53, 3.79, 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

Model / Size
1" Sweat YR Shown
Options w/ Locations

Use for options that require specified locations.

Dual P/T's in Ports 1 & 2 Shown
GPM
12 GPM Shown
YR0100S - S / 3/4S - DP1&2 - MI - 12
Connections

See specifications for available connections.

Female Sweat X 3/4" Reduced Female Sweat Shown
Options

Use for options that have specific locations.

Metal ID Tag Shown
S = female sweat

F = female NPT

Options Available

AA Automatic Air Vent

AV Manual Air Vent

DX Ext. P/T Port

HN Hose End Drain

PI Plastic ID Tag

PL Plug

SE Stem Extender

Various convenience fittings are available.