

Flow regulator 2 way, pressure compensated with check valve for free reverse flow

VRFC2-VU

0M.24.03 - X - Y

RE 18309-36

Edition: 03.2016

Replaces: 04.2010



Description

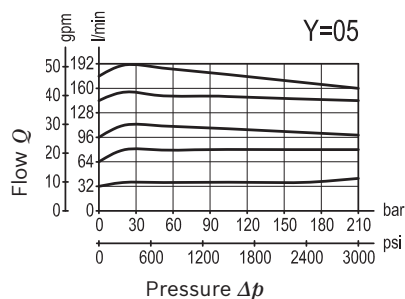
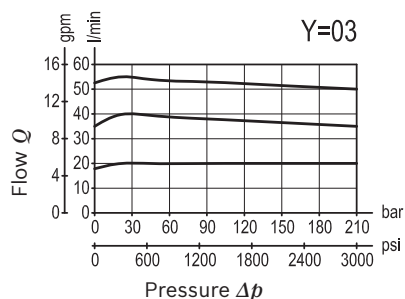
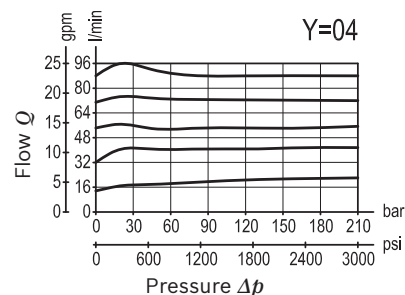
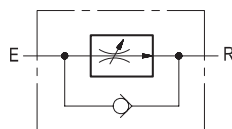
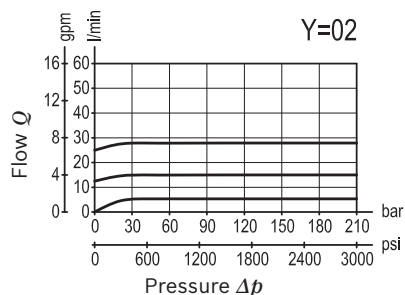
A constant flow rate, regardless of system pressures, is established from E to R, while a minimum pressure differential of approximately 5 bar (70 psi) exists between the two ports. Output flow can be varied from zero (closed) to the nominal maximum rating. Free flow is permitted from R to E, regardless of valve adjustment, when pressure overcomes the spring bias of the check valve.

Technical data

Operating pressure	up to 210 bar (3000 psi)
Q= max. inlet flow "E" port (see "Dimensions")	
Flow range adjustment	0 - 3 turns
Weight	see "Dimensions"
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.	
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

Characteristic curve



Ordering code

0M.24.03			X	Y
Flow regulator 2 way, pressure compensated with check valve for free reverse flow				
Adjustments			Port sizes	E - R
70	Handknob and locknut		02	G 3/8
			03	G 1/2
80	Screw and locknut		04	G 3/4
			05	G 1
40	Graduated handknob			

Preferred types

Type	Material number
0M2403700200000	R930004201
0M2403700300000	R930004202
0M2403700400000	R930004203
0M2403700500000	R930004204
0M2403800200000	R930000267
0M2403800300000	R930004205

Type	Material number
0M2403800400000	R930000221
0M2403800500000	R930000256
0M2403400200000	R930004200
0M2403400300000	R930000524
0M2403400400000	R930000525
0M2403400500000	R930000274

Dimensions

50 (1.97)	82 (3.23)	8 (0.32)	40 (1.58)	40 (1.58)	145 (5.71)	13 (0.51)	40 (1.58)	64 (2.52)	66 (2.6)	100 (3.94)	10 (0.39)	110 (4.33)	8.5 (0.34)	190 l/min 50 gpm	G 1	3.1 (6.8)
50 (1.97)	82 (3.23)	8 (0.32)	40 (1.58)	35 (1.38)	130 (5.12)	13 (0.51)	40 (1.58)	56 (2.21)	54 (2.13)	90 (3.54)	10 (0.39)	100 (3.94)	8.5 (0.34)	90 l/min 24 gpm	G 3/4	2.1 (4.6)
40 (1.58)	64 (2.52)	8 (0.32)	26 (1.02)	30 (1.18)	95 (3.74)	10 (0.39)	40 (1.58)	46 (1.81)	42 (1.65)	77 (3.03)	10 (0.39)	85 (3.35)	6.5 (0.26)	55 l/min 15 gpm	G 1/2	1.04 (2.3)
40 (1.58)	64 (2.52)	8 (0.32)	26 (1.02)	30 (1.18)	95 (3.74)	10 (0.39)	40 (1.58)	46 (1.81)	41.5 (1.63)	77 (3.03)	10 (0.39)	85 (3.35)	6.5 (0.26)	30 l/min 8 gpm	G 3/8	1.04 (2.3)
S	L4	L3	L2	L1	L	I	H5	H4	H3	H2	H1	H	F	Q	Y	Weight kg (lbs)

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