

Flow regulator 2 way, pressure compensated

VRFC2

0M.22.03 - X - Y

RE 18309-33

Edition: 03.2016

Replaces: 04.2010



Technical data

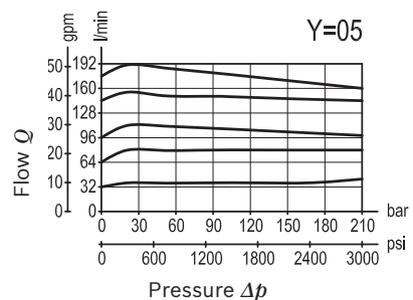
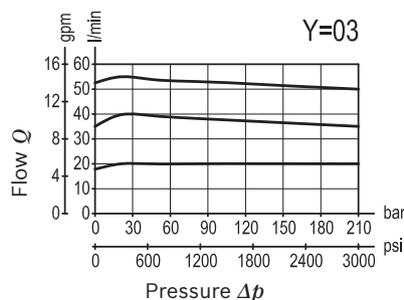
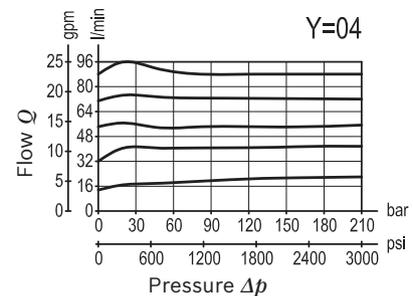
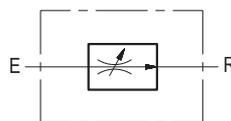
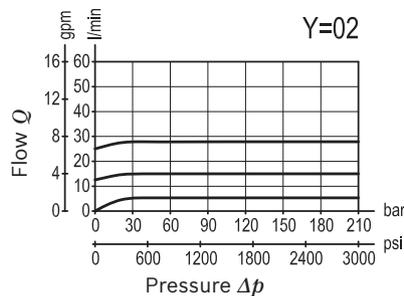
Operating pressure	up to 210 bar (3000 psi)
Q= max. inlet flow "E" port (see "Dimensions")	
Flow range adjustment	0 - 3 turns
Weight	see "Dimensions"
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue 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.

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. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated.

Characteristic curve



Ordering code

0M.22.03	X	Y
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Flow regulator,
2 way, pressure compensated

Adjustments

70	Handknob and locknut	
80	Screw and locknut	
40	Graduated handknob	

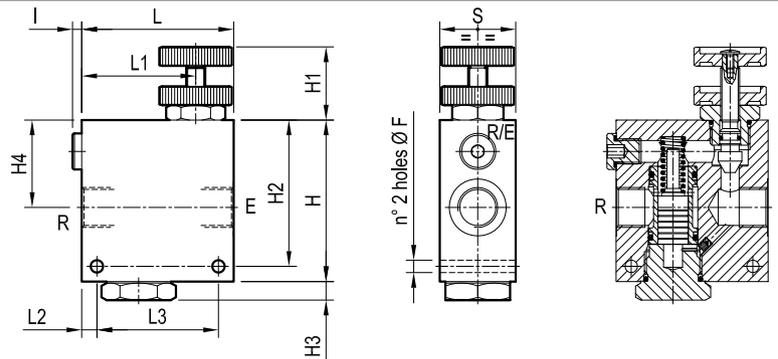
Port sizes	E - R
02	G 3/8
03	G 1/2
04	G 3/4
05	G 1

Preferred types

Type	Material number
0M2203700200000	R930004181
0M2203700300000	R930004182
0M2203700400000	R930004183
0M2203700500000	R930004184
0M2203800200000	R930004190
0M2203800300000	R930004192

Type	Material number
0M2203800400000	R930004193
0M2203800500000	R930004194
0M2203400200000	R930004169
0M2203400300000	R930004170
0M2203400400000	R930004171
0M2203400500000	R930004172

Dimensions



50 (1.97)	82 (3.23)	8 (0.32)	78 (3.07)	108 (4.25)	5 (0.2)	62 (2.44)	10 (0.39)	98 (3.86)	40 (1.58)	108 (4.25)	8.5 (0.34)		190 l/min 50 gpm	G 1	1.94 (4.28)
50 (1.97)	82 (3.23)	8 (0.32)	75 (2.95)	100 (3.94)	5 (0.2)	56 (2.21)	10 (0.39)	90 (3.54)	40 (1.58)	100 (3.94)	8.5 (0.34)		90 l/min 24 gpm	G 3/4	1.65 (3.64)
40 (1.58)	64 (2.52)	8 (0.32)	60 (2.36)	80 (3.15)	5 (0.2)	46 (1.81)	10 (0.39)	77 (3.03)	40 (1.58)	85 (3.35)	6.5 (0.26)		55 l/min 15 gpm	G 1/2	0.88 (1.94)
40 (1.58)	64 (2.52)	8 (0.32)	60 (2.36)	80 (3.15)	5 (0.2)	46 (1.81)	10 (0.39)	77 (3.03)	40 (1.58)	85 (3.35)	6.5 (0.26)		30 l/min 8 gpm	G 3/8	0.88 (1.94)
S	L3	L2	L1	L	I	H4	H3	H2	H1	H	F		Q	Y	Weight kg (lbs)

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