

Flow regulator 2 way, pressure compensated

VRFC2-L

0M.22.03.50 - Y

RE 18309-34

Edition: 03.2016

Replaces: 04.2010



Technical data

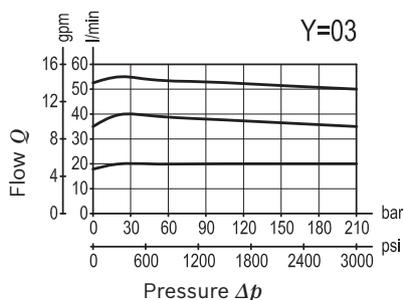
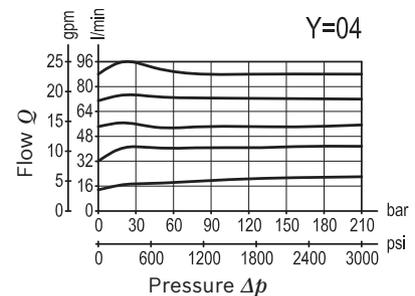
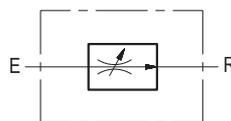
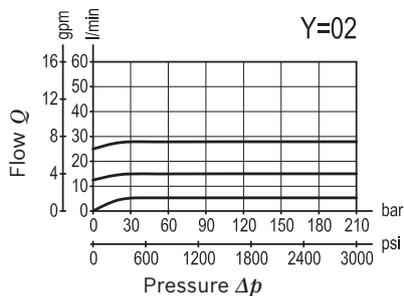
Operating pressure	up to 210 bar (3000 psi)
Q= max. inlet flow "E" port (see "Dimensions")	
Flow control range: from 15° to 165° of hand lever rotation	
Weight	see "Dimensions"
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), 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 (Open). Reverse flow from R to E is limited by the selected opening of the lever controlled restrictor and is not pressure compensated.

Characteristic curve



Ordering code

0M.22.03	50	Y
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Flow regulator
2 way, pressure compensated

Adjustments

Lever with built in friction clutch

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

Preferred types

Type	Material number
0M2203500200000	R930004174
0M2203500300000	R930004175
0M2203500400000	R930004176

Type	Material number

Dimensions

50 (1.97)	10 (0.39)	44 (1.73)	100 (3.94)	10 (0.39)	50 (1.97)	8 (0.32)	82 (3.23)	35 (1.38)	40 (1.58)	4.5 (0.18)	100 (3.94)	8.5 (0.34)	90 l/min 24 gpm	G 3/4	1.75 (3.86)
40 (1.58)	8 (0.32)	39 (1.54)	85 (3.35)	10 (0.39)	50 (1.97)	8 (0.32)	64 (2.52)	30 (1.18)	30 (1.18)	4.5 (0.18)	80 (3.15)	6.5 (0.26)	55 l/min 15 gpm	G 1/2	0.97 (2.14)
40 (1.58)	8 (0.32)	39 (1.54)	85 (3.35)	10 (0.39)	50 (1.97)	8 (0.32)	64 (2.52)	30 (1.18)	30 (1.18)	4.5 (0.18)	80 (3.15)	6.5 (0.26)	30 l/min 8 gpm	G 3/8	0.97 (2.14)
S	L2	L1	L	I1	I	H5	H4	H3	H2	H1	H	F	Q	Y	Weight kg (lbs)

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