

Flow regulator 3 way, pressure compensated with check valve for free reverse flow

VRFC3-VU

0M.39.03 - X - 04

RE 18309-44

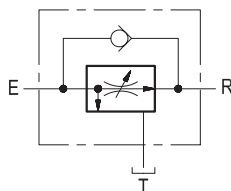
Edition: 03.2016

Replaces: 04.2010



Description

A constant flow rate, regardless of system pressures, is established from E to R, while a minimum pressure differential of appr. 5 bar (70 psi) exists between the two ports. Input flow supplied to E in excess of the regulated output at R is by-passed to T. Output flow can be varied from closed to the nominal maximum rating for the valve. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated. Flow from T to E or from T to R is not possible. Increasing or decreasing inlet flow may cause slight increase or decrease of Regulated flow.

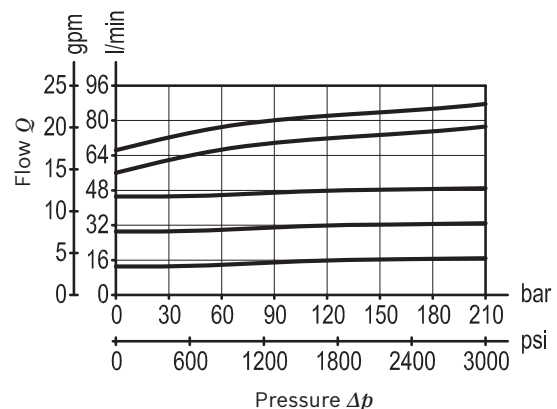


Technical data

Operating pressure	up to 210 bar (3000 psi)
QE= max. inlet flow "E" port	150 l/min. (40 gpm)
QR= max. regulated flow "R" port	90 l/min. (24 gpm)
Flow range adjustment	0 - 3 turns
Weight	2.4 kg (5.3 lbs)
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.39.03	X	04
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Flow regulator
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Adjustments

70 Handknob and locknut



80 Screw and locknut



40 Graduated handknob



Port sizes

E - R - T

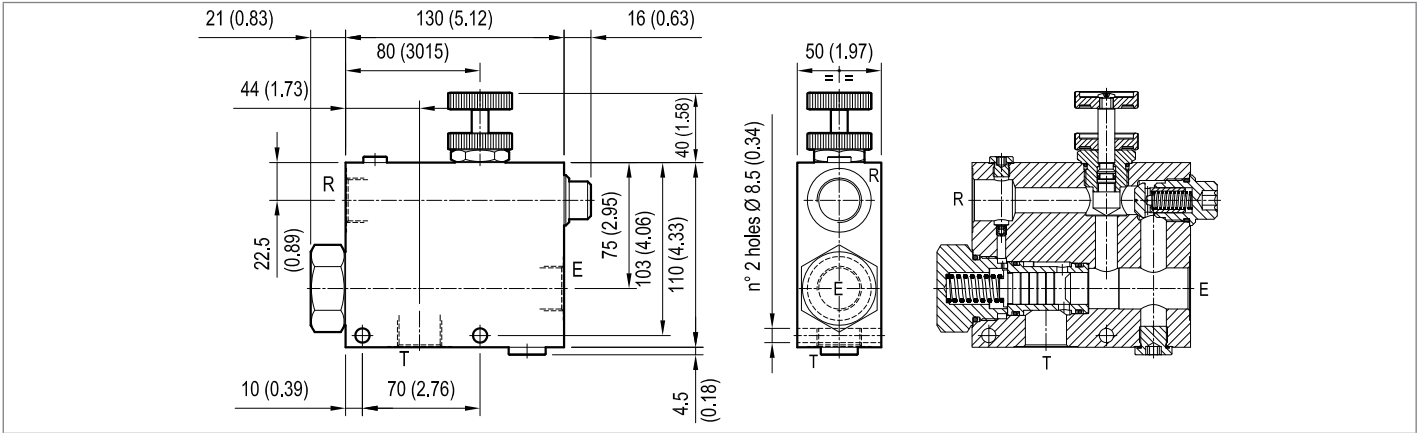
G 3/4

Preferred types

Type	Material number
0M390370040000A	R930004300
0M3903800400000	R930000380
0M390340040000A	R930004297

Type	Material number

Dimensions



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