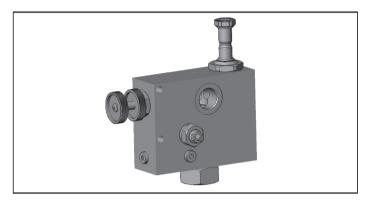


Flow regulator 3 way, pressure compensated with relief and solenoid by-pass

VRFC3-VS-BPE 0M.38.03 - X - 04

RE 18309-49Edition: 03.2018
Replaces: 03.2016



Description

A constant pressure compensated flow rate 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 bypassed to T. Regulated flow can be varied from closed to the nominal maximum rating of the valve and its pressure is controlled by a relief cartridge which will dump to Tank the output flow if the maximum pressure is reached. A normally open solenoid cartridge by-passes all Inlet flow to tank when de-energized. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated. Flow from T to R is not permitted.

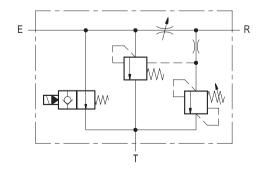
Technical data

Operating pressure	up to 210 bar (3000 psi)	
Adj. relief valve: range 105-210 bar (1523-3000 psi) Standard setting: 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	2.3 kg (5.1 lbs)	
Manifold material	Aluminium	
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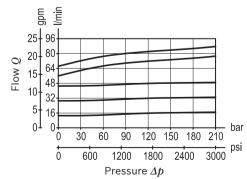
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Fluid	Mineral oil (HL, HLP) according to DIN 51524	
Fluid temperature range	-20 °C to 80 (-4 to 176 °F)	
Viscosity range	20 to 380 mm ² /s (cSt)	
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406	
The coil must be ordered separately		
Other technical data	see data sheet 18350-50	

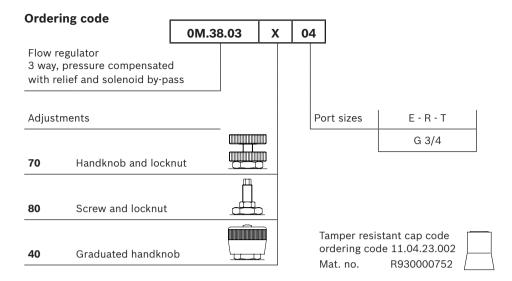
Note: for applications outside these parameters, please consult us.



Characteristic curve



VRFC3-VS-BPE | Flow regulator 3 way, pressure compensated



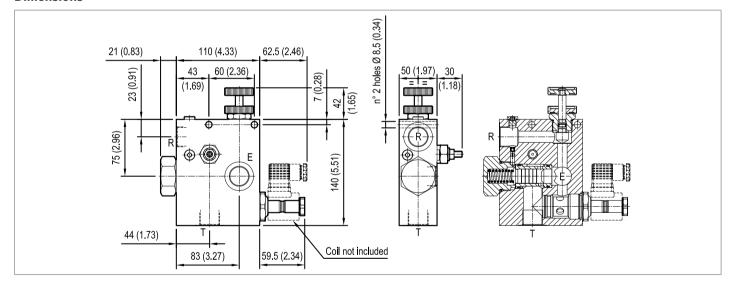
Preferred types

2

Туре	9	Material number
0M3	880370040000B	R930067628
0M3	80380040000A	R930069291
0M3	80340040000C	R930069292

Туре	Material number

Dimensions



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