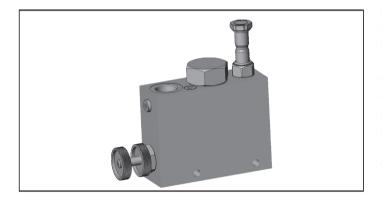


# Flow regulator 3 way, pressure compensated with relief and solenoid control

VRFC3-VS-VEI

OM.36.03 - X - Y

RE 18309-47 Edition: 03.2018 Replaces: 03.2016

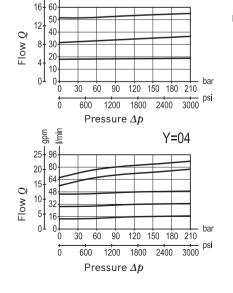


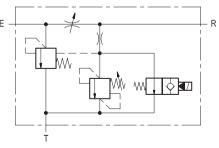
### Description

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. Output flow can be varied from closed to the nominal maximum rating of the valve and it can be dumped to Tank in two ways: 1) by a N.O. solenoid cartridge which determines Regulated flow dumping when de-energized; 2) by a pilot relief cartridge which determines Regulated flow dumping if the maximum allowed pressure is reached. 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 permitted.

Y=03

### **Characteristic curve**





## Technical data

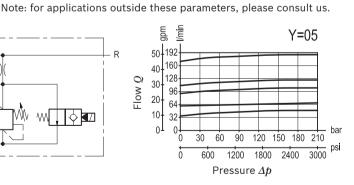
Operating pressure	210 bar (3000 psi)	
Adj. relief valve: range 105-210 bar (1523-3000 psi) Standard setting: 210 bar (3000 psi)		
QE= max. inlet flow "E" port (see "Dimensions")		
QR= max. regulated flow "R" port (see "Dimensions")		
Flow range adjustment	0 - 3 turns	
Pressure drop from E-T: cracking pressure 6 bar (90 psi), full flow 12 bar (175 psi)		
M/ : 1 :	"D: : "	

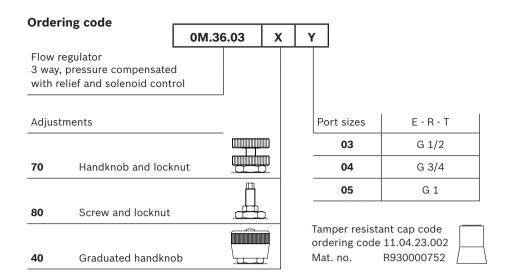
Weight	see "Dimensions"
Manifold material	Aluminium

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	
	to DIN 51524	
Fluid temperature range	-20 °C to 80 (-4 to 176 °F)	
Viscosity range	20 to 380 mm <sup>2</sup> /s (cSt)	
Recommended degree of fluid	Class 19/17/14 according to	
contamination	ISO 4406	
The coil must be ordered separately		

Other technical data see data sheet 18350-50





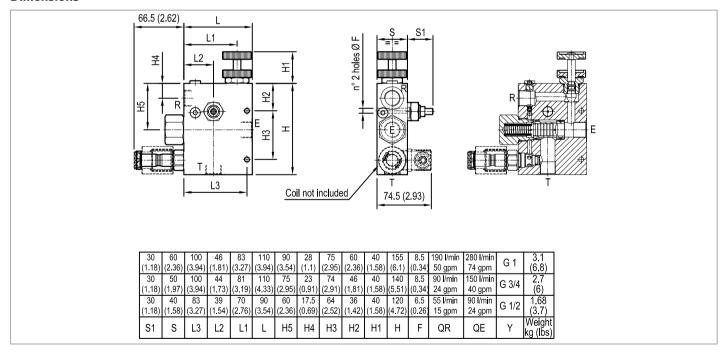
### **Preferred types**

2

Тур	e	Material number
OM3	360370030000D	R930068961
OM3	360370040000C	R930067634
OM3	360370050000B	R930069286
OM3	860380030000B	R930069287

Туре	Material number
0M360380040000A	R930069288
OM360380050000A	R930069289
0M36034003000D	R930069290
0M360340040000A	R930067638

### **Dimensions**



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