

The Drive & Control Company

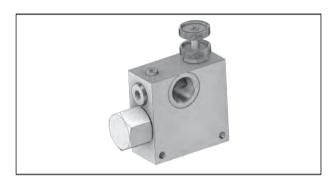


Flow regulator 3 way, pressure compensated

RE 18309-42

Edition: 03.2016 Replaces: 04.2010

A-VRFC3



### **Description**

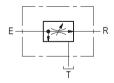
A constant flow rate, regardless of system pressures, is established from E to R, while a minimum pressure differential of appr. 5 bar (70 psi) exists between the two ports. Input flow supplied to E in excess of the regulated output at R is by-passed to T. Output flow can be varied from closed to the 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**

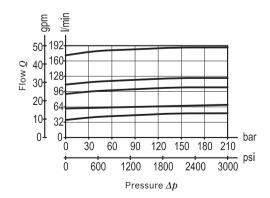
OM.C2.03 - X - 05

Max. operating pressure	350 bar (5000 psi)	
QE= max. inlet flow "E" port 280 l/min. (74 gpm)		
QR= max. regulated flow "R" port 190 l/min. (50 gpm)		
Flow range adjustment	0 - 3 turns	
Weight	4.4 kg (9.7 lbs)	
Manifold material	Zinc plated steel	
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 <sup>2</sup> /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



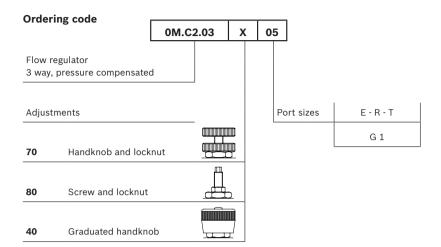
 $\label{eq:RE 18309-42/03.2016} \textit{RE 18309-42/03.2016}, \textbf{Bosch Rexroth Oil Control S.p.A.}$ 

Archivierung: 11/2020



## 2 A-VRFC3 | Flow regulator 3 way, pressure compensated

Dimensions [mm (inches)]

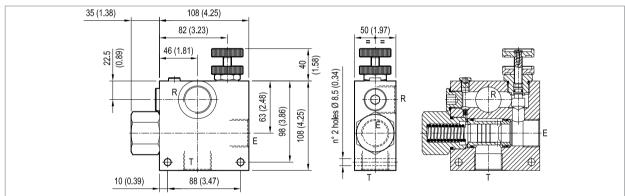


**Preferred types** 

Туре	Material number
0MC203700500000	R930004479
0MC203800500000	R930004481
0MC203400500000	R930004476

Туре	Material number

### **Dimensions**



#### Bosch Rexroth Oil Control S.p.A.

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Bosch Rexroth Oil Control S.p.A., RE 18309-42/03.2016

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