

Flow divider, combiner

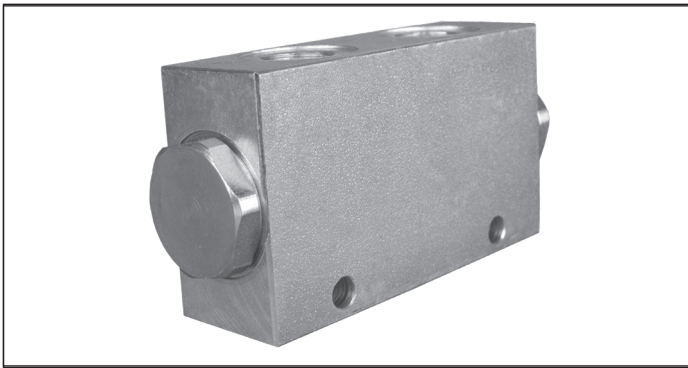
A-DRF

0M.E1.21.90.02 - Z

RE 18309-59

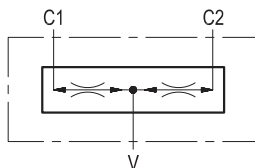
Edition: 03.2016

Replaces: 04.2010



Description

This valve gives division of input flow from V to C1-C2, and re-combines flows in reverse direction from C1-C2 to V. The ratio between the flows through C1 and through C2 is maintained constant (typically 50% / 50%) over a wide range of pressure variations and of pressure imbalance in order to synchronize the motion of 2 actuators in both forward and reverse directions. In flow division mode, should either C1 or C2 be blocked, approximately 1÷2% of the available flow can be forced through the port still open.

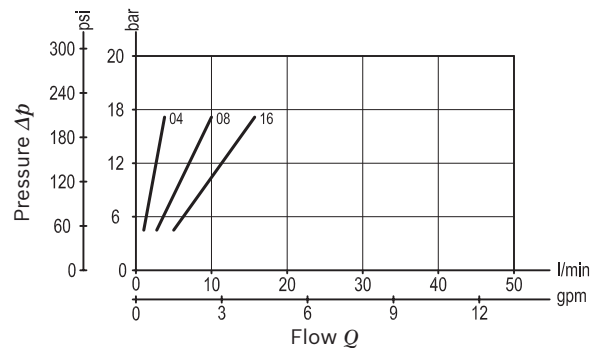


Technical data

Max. operating pressure	350 bar (5000 psi)
Flow division ratio: 50% - 50%	
For any chosen inlet flow capacity (refer to table Z), the slippage, or the difference from theoretical value between the divided flows, depends from the inlet flow, and is lowest in the top portion of the selected range: generally it never exceeds $\pm 3\%$.	
Weight	1.1 kg (2.4 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 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.E1.21.90	02	Z
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INLET CAPACITY	
04	2 to 4 l/min (0.53 to 1.04 gpm)
08	4 to 8 l/min (1.06 to 2.11 gpm)
16	8 to 16 l/min (2.11 to 4.23 gpm)

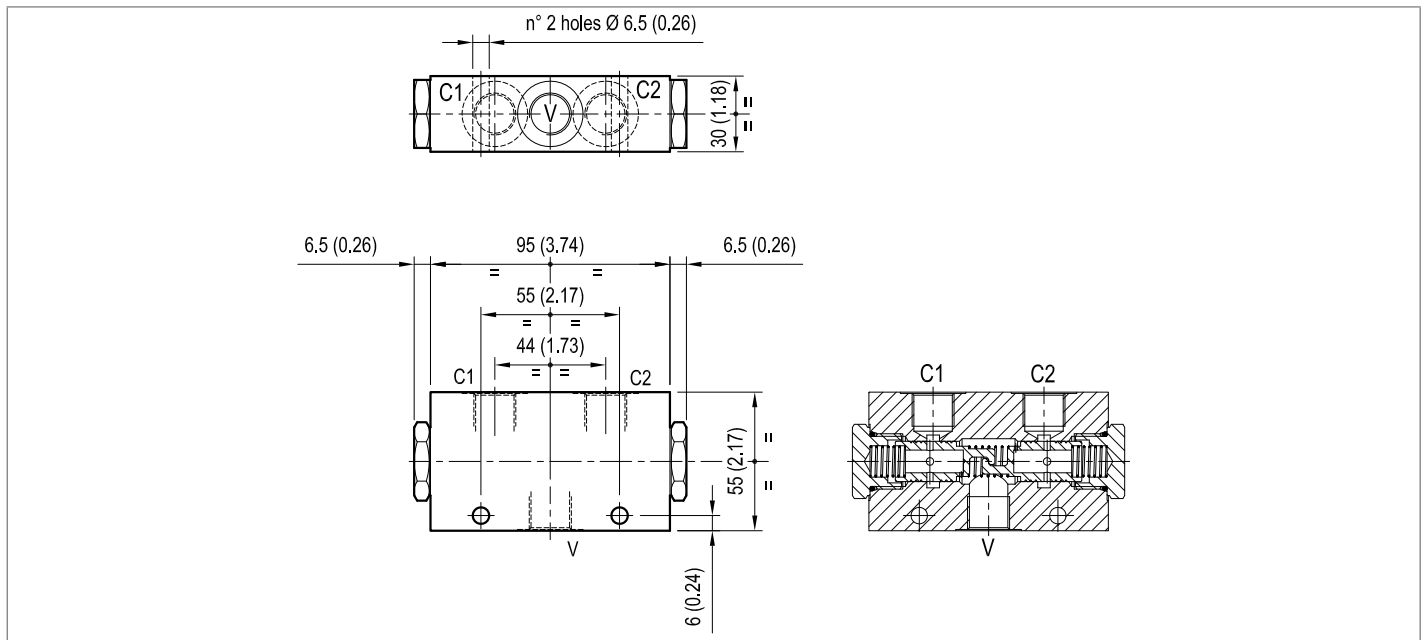
Port sizes	V	C1 - C2	
	G 3/8	G 3/8	

Preferred types

Type	Material number
OME12190020400C	R930056612
OME12190020800C	R930056614
OME12190021600C	R930056615

Type	Material number

Dimensions



Bosch Rexroth Oil Control S.p.A.

Via Leonardo da Vinci 5
 P.O. Box no. 5
 41015 Nonantola – Modena, Italy
 Tel. +39 059 887 611
 Fax +39 059 547 848
 compact-hydraulics-pib@boschrexroth.com
 www.boschrexroth.com/compacthydraulics

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