

1/2

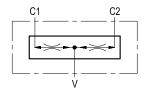
RE 18309-61/07.12

Replaces: RE 18309-61/04.10

Flow divider, combiner



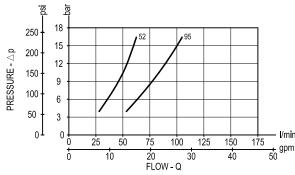
A-DRF 0M.E1.03.90.04 - Z



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 $1\div2\%$ of the available flow can be forced through the port still open.

Performance



Technical data

Hydraulic

Max. operating pressure	bar (psi)	350 (5000)	

Flow division ratio: 50% - 50%

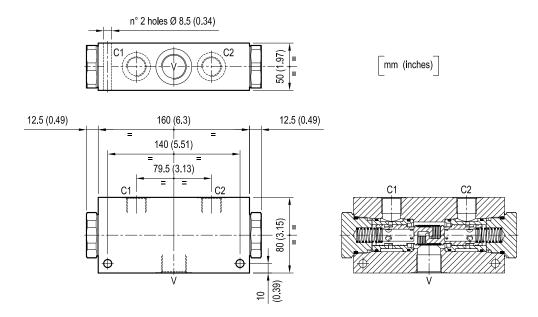
For any chosen inlet flow capacity (refer to table Z), the slippage, or the difference from theoretical value between the divided flows, depends from the inlet flow, and is lowest in the top portion of the selected range: generally it never exceeds \pm 3%.

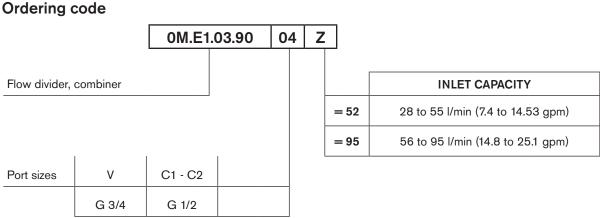
General

Manifold material		Steel	
Weight	kg (lbs)	4.5 (9.9)	
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)	
Other technical data		see data sheet RE 18350-50	

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

Dimensions





Туре	Material number	Туре	Material number
0ME10390045200A	R930001929		
0ME10390049500A	R930001901		
		<u> </u>	

Bosch Rexroth Oil Control S.p.A. Via Leonardo da Vinci 5 P.O. Box no. 5

41015 Nonantola - Modena, Italy +39 059 887 611 Fax +39 059 547 848

motion-control-valves@oilcontrol.com www.boschrexroth.com

 $\ensuremath{\mathbb{C}}$ This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent.

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging. Subject to change.