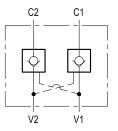


**RE 18307-17/04.10** 1/2 Replaces: RE 00171/02.07

# Pilot operated check, dual

### **VSO-DE**

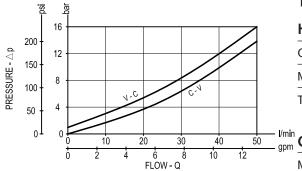


Description

05.53.01 - X - 03 - Z

Flow is allowed to pass in one direction (V1 to C1 or V2 to C2), then the valve remains closed (checked) in both reverse directions (C1 to V1 or C2 to V2) in order to hold and lock in position the cylinder or other actuators; reverse flow is possible only when sufficient pilot pressure is applied at V2 or V1, which act as cross connected pilot ports, and the pilot piston lifts the poppet from its seat overcoming cylinder port pressure.

### Performance



## **Technical data**

Other technical data

#### Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	l/min (gpm)	50 (13)

The version with O-Ring and heavier spring is generally recommended.

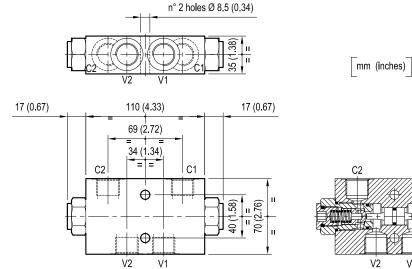
### 

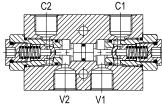
Manifold material		Aluminium	
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.			
Weight kg (lbs) 1.06 (2.34)			
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)	

see data sheet RE 18350-50

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

#### **Dimensions**





# Ordering code

			05.53	3.01	X	03	Z	
Pil	ot operat	ed check, dual						
0-	Ring on	pilot piston	Pilot ratio					
= (	00	No O-Ring	3.2 : 1					-
=	10	With O-Ring	3.2 : 1					-
= :	25	With O-Ring	6:1					
			I	1				

Port sizes	V1 - V2	C1 - C2	
	G 1/2	G 1/2	

Туре	Material number
055301000300000	R930002391
055301000301000	R930002392
055301100301000	R930002401
055301250301000	R930002404

		SPRINGS
		Cracking pressure bar (psi)
= 00	only for X=00	1 (15)
= 01	for X=00, X=10 and X=25	8 (116)

Туре	Material number

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 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.