

# Pilot operated check, single

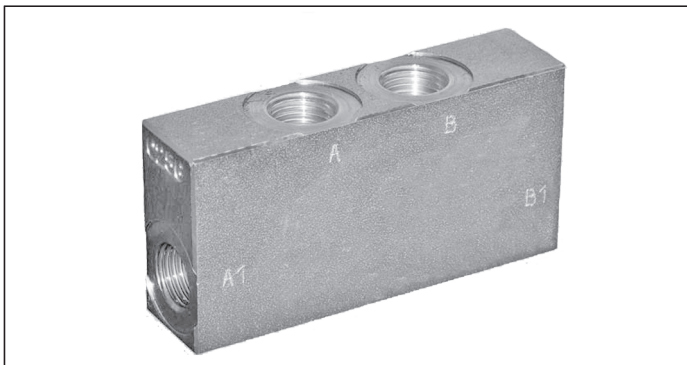
A-VSO-SE-LB

08.52.91 - X - Y - Z

**RE 18307-10**

Edition: 09.2019

Replaces: 03.2016



## Technical data

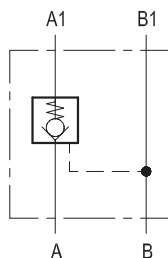
Max. operating pressure	350 bar (5000 psi)
Max. flow	20 l/min. (5 gpm)
Pilot ratio	4 : 1
Weight	0.35 kg (0.77 lbs)
Manifold material	Zinc plated steel
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-10

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

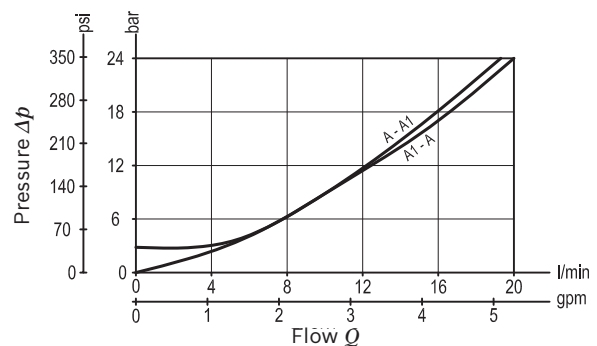
## Description

Flow is allowed to pass from A to A1 when pressure at A rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed (checked) from A1 to A; when sufficient pilot pressure is present at B-B1 the pilot piston acts to push the poppet from its seat and flow is allowed from A1 to A. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



## Characteristic curve



**Ordering code**

<b>08.52.91</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
-----------------	----------	----------	----------

Pilot operated check, single

O-Ring on pilot piston

**10** With O-Ring

Port sizes	A - B	A1 - B1	
<b>09</b>	G 1/4	G 1/4	

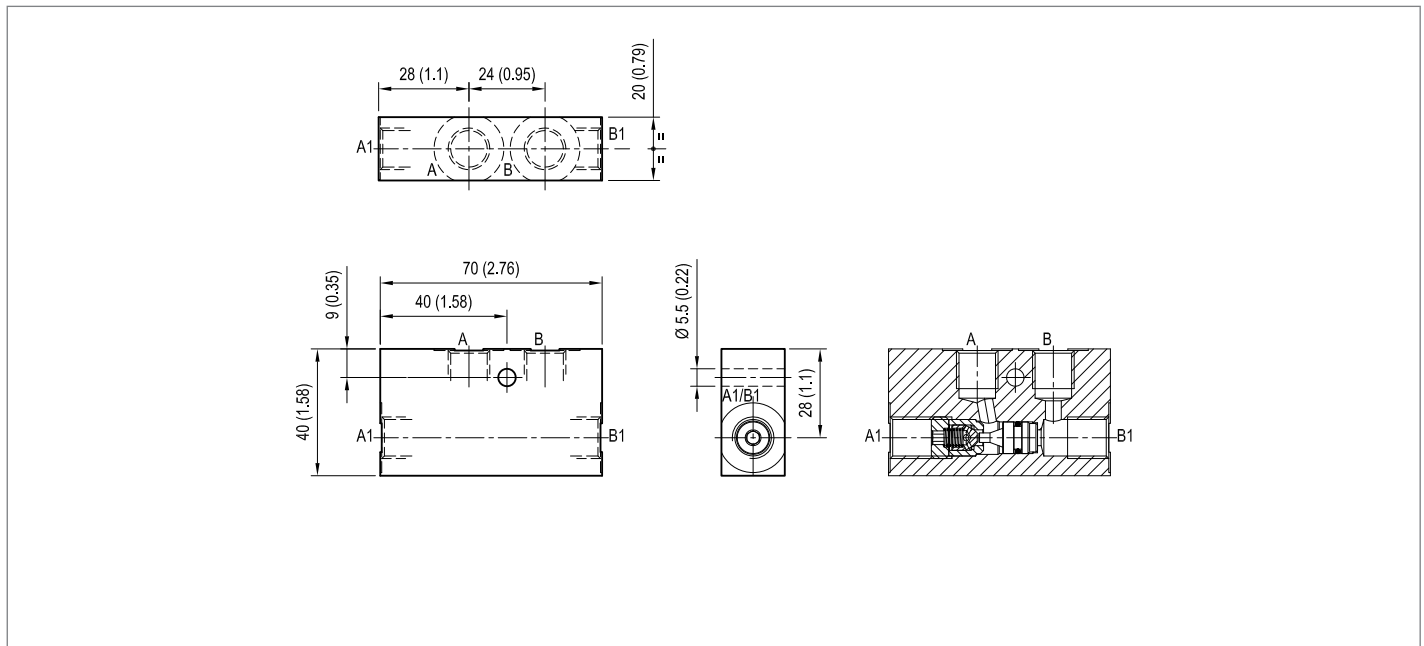
	SPRINGS
	Cracking pressure bar (psi)
<b>00</b>	3 (44)

**Preferred types**

Type	Material number
085291100900000	R930004056

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

© 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.