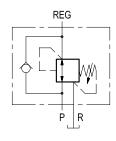


RE 18309-73/04.10 1/2 Replaces: RE 00171/02.07

Pressure reducing and relieving, direct acting spool type, with free flow check valve

VRP-R-VU



P = Inlet REG = A (Reduced pressure) R = T (Tank)



Description

Initially, flow passes freely from P to REG. When the pressure at REG exceeds the pressure setting, the valve acts to restrict input flow at P. This increases the pressure drop through the valve and maintains consistent pressure at REG. The spring chamber is drained to prevent a build-up of back-pressure against the spool. Additionally, if pressure at REG rises above the pressure setting, flow is relieved to R (Tank) until the setting is re-attained. A check valve allows quick emptying of REGULATED circuit when inlet pressure drops low.

Technical data

Hydraulic

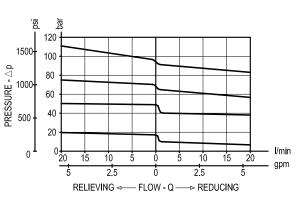
	210 (3000)	bar (psi)	Max. operating pressure
	20 (5)	l/min (gpm)	Max. flow
_		•.	Max. flow Max leakage: 10 cc/min (0

General

Manifold material		Aluminium	
	si), dependin	enough for operating pressures g from the fatigue life expected in the ur Service Network.	
Weight	kg (lbs)	1 (2.21)	
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)	

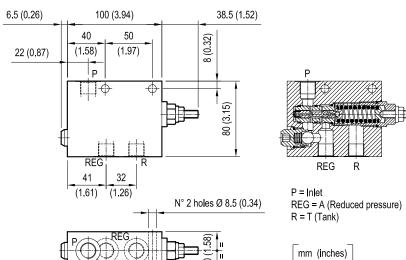
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

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



Performance

Dimensions



Ordering code

		05.90.1	9 X	Y	Z	
Pressure redu direct acting free flow chee		ving,				_
Adjustments	kproof hex. so					
Port sizes	Р	R	REG			
= 02	G 3/8	G 3/8	G 3/8	}		

	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q = 5 (I/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 02	2-21	3	10
	(30-305)	(44)	(145)
= 04	3-42	5	20
	(44-610)	(73)	(290)
= 06	7-63	8	30
	(102-914)	(116)	(435)
= 10	11-105	13	50
	(160-1525)	(189)	(725)

Туре	Material number
05901903020200B	R930002573
05901903020400B	R930002574
05901903020600B	R930002575
05901903021000B	R930002576

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 $\[mmc]$ 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.