

RE 18329-11/01.19 1/2 Replaces: 18329-11/01.17

Insert type Relief, direct acting and anti-cavitation function

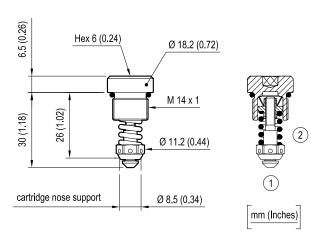
Special cavity, 869

VMA1.025

0T.M4.05 - X - 99 - Z - W



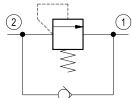
Dimensions



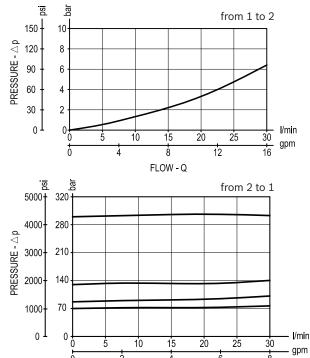
Description

Flow is free from 1 to 2 until pressure increases to meet the selected valve setting, allowing relief flow through port 1 to tank. This valve combine the typical function of shock relief valve (direct acting) and anticavitation function through the check valve. The direct action and the specific design allow a very fast opening and closing.

Note: to obtain a good leak proof performance coin the cavity seat using a loose valve seat (P/N 0F.S0.049) as a coining tool. Please consult factory for any question.



Performance



FLOW - Q

Technical data

Toommour data				
Max. operating pressu	ure bar (psi)	300 (4350)		
Max. flow	l/min. (gpm)	30 (8)		
Max. internal leakage (*)	drops/min.	15		
Fluid temperature ran	ge °C (°F)	-30 to 100 (-22 to 212)		
Installation torque	Nm (ft-lbs)	30-35 (22-26)		
Weight	kg (lbs)	0.03 (0.07)		
Special cavity		869 see data sheet RE 18325-75		
MTTFd		150 years see RE 18350-51		
Lines bodies and sta	undard	Please refer to section "Hydraulic integrated circuit" or consult factory		
Seal kit (**)	code material no.	RG0869020000100 R931002405		
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm²/s (cSt)		
Recommended degree contamination	ee of fluid	Nominal value max. 10µm (NAS 8) ISO 4406 20/18/15		
Installation		No restrictions		
Other Technical Data	a	See data sheet RE 18350-50		

- (*) at 80% of pressure setting
- (**) Only external seals for 10 valves

Ordering code

0T.M4.05 | X | 99 | Z | W | *

Insert type - Relief, direct acting and anti-cavitation function

Adjustments

= 00 Fixed setting

Special cavity, 869

SPRINGS		
Adj. pressure range bar (psi)		
20-70 (290-1000)	= 05	
80-100 (1160-1450)	= 10	
110-250 (1595-3625)	= 20	
260-300 (3770-4350)	= 30	

Series 0/A to L unchanged performances and dimensions

	Std. SETTING bar (psi) Q=5 l/min (1.3 gpm)				
	for	for	for	for	
	Z=05	Z=10	Z=20	Z=30	
= 02	20 (290)	80 (1160)	110 (1600)	260 (3770)	
= 03	30 (440)	90 (1300)	120 (1750)	270 (3915)	
= 04	40 (580)	100 (1450)	130 (1890)	280 (4060)	
= 05	50 (730)		140 (2030)	290 (4205)	
= 06	60 (870)		150 (2180)	300 (4350)	
= 07	70 (1020)		160 (2320)		
= 08			170 (2470)		
= 09			180 (2610)		
= 10			190 (2760)		
= 11			200 (2900)		
= 12			210 (3000)		
= 13			220 (3190)		
= 14			230 (3335)		
= 15			240 (3480)		
= 16			250 (3625)		

Туре	Material number
0TM405009905020	R931002107
0TM405009905030	R931002109
0TM405009905040	R931002110
0TM405009905050	R931002111
0TM405009905060	R931002112
0TM405009905070	R931002115
0TM405009910020	R931002117
0TM405009910030	R931002118
0TM405009910040	R931002095
0TM405009920020	R931002119
0TM405009920030	R931002120
0TM405009920040	R931002121
0TM405009920050	R931002123
0TM405009920060	R931002097
0TM405009920070	R931002124
0TM405009920080	R931002125

Type	Material number
0TM405009920090	R931002127
0TM405009920100	R931002128
0TM405009920110	R931002099
0TM405009920120	R931000064
0TM405009920130	R931002100
0TM405009920140	R930053375
0TM405009920150	R931002651
0TM405009920160	R931002650
0TM405009930020	R930064065
0TM405009930030	R930064053
0TM405009930040	R930064066
0TM405009930050	R930064067
0TM405009930060	R930064052

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

 $compact-hydraulics-cv@boschrexroth.com\\www.boschrexroth.com/compacthydraulics$

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Subject to change.