

RE 18329-33/05.22

Replaces: RE 18329-33/01.19

# Insert type Relief, direct acting adjustable, anti-cavitation function

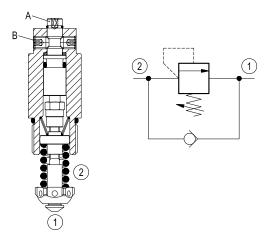
Special cavity, 808

**VRA1.060** 

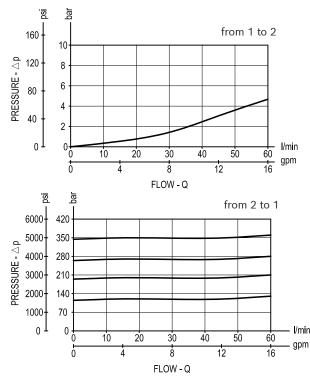
OT.M6.03 - X - 99 - Z



#### **Dimensions**



#### Performance



# 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.S0.036) as a coining tool. Please consult factory for any question.

#### Please be careful to the following instructions:

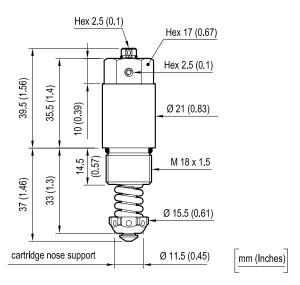
- 1) Screw the valve into the cavity using the mentioned installation torque;
- 2) Adjust the setting using the stem "A";
- 3) Once the valve is adjusted to the required pressure setting, lock the screw "B". Be careful to make the pressure setting adjustment when the screw "B" is loose; block the screw with torque 2-4 Nm (1.5-3 ft-lbs) only when the pressure setting is adjusted.

### Technical data

Technical data	l		
Max. operating pres	sure	bar (psi)	380 (5500)
Max. flow l/min. (gpm)			60 (16)
Max. internal leakage (*) drops/min.		ops/min.	15
Fluid temperature ra	ange	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nr	m (ft-lbs)	45-50 (33-37)
Weight		kg (lbs)	0.08 (0.18)
Special cavity			808 see data sheet RE 18325-75
Lines bodies and standard assemblies			Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit (**) code material no.			RG0730020000100 R931002406
Fluids			Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination			Nominal value max. 10µm (NAS 8) ISO 4406 20/18/15
Installation			No restrictions
Other Technical Data			See data sheet RE 18350-50
(*) -+ 000/ -f			

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

#### **Dimensions**



## Ordering code

OT.M6.03 X 99 Z \*

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

Adjustments

= 03 Adjustable

Special cavity, 808

Series 0/A to L unchanged performances and dimensions

	SPRINGS			
	Adj. pressure range bar (psi)	Pressure increase bar/turn (psi/turn)		
= 05	20-70 (290-1000)	20 (290)		
= 10	70-120 (1000-1750)	28 (406)		
= 20	120-200 (1750-2900)	49 (711)		
= 27	200-270 (2900-3900)	62 (899)		
= 32	270-320 (3900-4700)	74 (1073)		
= 35	320-380 (4700-5500)	97 (1407)		

	Туре	Material number
	0TM603039905000	R931002283
	0TM603039910000	R931002284
	0TM603039920000	R931002285
	0TM603039927000	R931002286
	0TM603039932000	R931002287
	0TM603039935000	R931002288
-		

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

compact-hydraulics-cv@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.