

RE 18329-33/01.19
Replaces: RE 18329-33/03.16

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

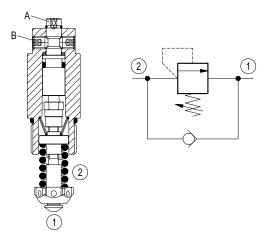
Special cavity, 808

VRA1.060

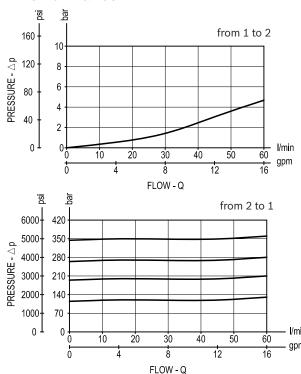
OT.M6.03 - X - 99 - Z



## **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:

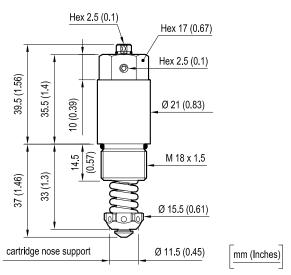
- 1) Screw the valve into the cavity using the mentioned installation torque;
- 2) Adjust the setting using the stem "A";
- 3) Once the valve is adjusted to the required pressure setting, lock the screw "B". Be careful to make the pressure setting adjustment when the screw "B" is loose; block the screw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

## Technical data

Technical data				
Max. operating press	ure bar (psi)	380 (5500)		
Max. flow	l/min. (gpm)	60 (16)		
Max. internal leakage (*)	drops/min.	15		
Fluid temperature rai	nge °C (°F)	-30 to 100 (-22 to 212)		
Installation torque	Nm (ft-lbs)	45-50 (33-37)		
Weight	kg (lbs)	0.08 (0.18)		
Special cavity		808		
Special cavity		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 mm²/s (cSt)		
Recommended degree of fluid contamination		Nominal value max. 10µm (NAS 8) ISO 4406 20/18/15		
Installation		No restrictions		
Other Technical Dat	a	See data sheet RE 18350-50		
(*) at 80% of pressure setting				

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

## **Dimensions**



Ordering code 0T.M6.03 Χ 99 Z Series 0/A to L Insert type - Relief, direct acting adjustable, anti-cavitation function unchanged performances and dimensions Adjustments = 03 Adjustable **SPRINGS** Adj. pressure range bar (psi) Special cavity, 808 = 05 20-70 (290-1000) = 10 70-120 (1000-1750) = 20 120-200 (1750-2900) = 27 200-270 (2900-3900)

= 32

= 35

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

Туре	Material number

270-320 (3900-4700)

320-380 (4700-5500)

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Subject to change.