

RE 18329-32/05.22

1/2

Replaces: RE 18329-32/01.19

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

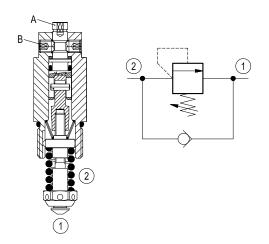
Special cavity, 730

VRA1.050

0T.M6.02 - X - 99 - Z



#### **Dimensions**



### Performance from 1 to 2 160 120 -40 12 FLOW - Q bs from 2 to 1 6000 420 5000 350 4000 280 3000 210 2000 1000 70 0 I/min

FLOW - Q

## 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.S0.108) 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

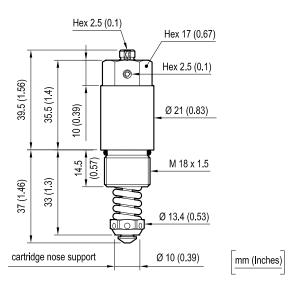
| recifficat data   |         |  |  |  |
|---|---------|--|--|--|
| Max. operating pressure ba  | r (psi) | 380 (5500)   |  |  |
| Max. flow l/min. (gpm)  Max. internal leakage (*) drops/min.                        |         | 60 (16)  |  |  |
|   |         | 15   |  |  |
| Fluid temperature range °C  | C(°F)   | -30 to 100 (-22 to 212)  |  |  |
| Installation torque Nm (f   | t-lbs)  | 45-50 (33-37)  |  |  |
| Weight kg   | (lbs)   | 0.08 (0.18)  |  |  |
| Special cavity  Lines bodies and standard assemblies                                |         | 730<br>see data sheet RE 18325-75  |  |  |
|   |         | Please refer to section "Hydraulic integrated circuit" or consult factory                                    |  |  |
| MTTFD   |         | 150 years see data sheet 18350-51  |  |  |
| Seal kit (**)  Code material no.  Fluids  Recommended degree of fluid contamination |         | RG0730020000100<br>R931002406  |  |  |
|   |         | Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt) |  |  |
|   |         | Nominal value max. 10µm (NAS 8)<br>ISO 4406 20/18/15   |  |  |
| Installation  |         | No restrictions  |  |  |
| Other Technical Data  |         | See data sheet RE 18350-50   |  |  |
| (4)   |         |  |  |  |

(\*) at 80% of pressure setting

gpm

(\*\*) Only external seals for 10 valves

#### **Dimensions**



## Ordering code

OT.M6.02 X 99 Z \*

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

Adjustments

**= 03** Adjustable

Special cavity, 730

Series 0/A to L unchanged performances and dimensions

|      | SPRINGS                       |   |  |
|------|-------------------------------|---|--|
|      | Adj. pressure range bar (psi) | Pressure increase<br>bar/turn<br>(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 |
|-----------------|-----------------|
| 0TM602039905000 | R931002277      |
| 0TM602039910000 | R931002278      |
| 0TM602039920000 | R931002279      |
| 0TM602039927000 | R931002280      |
| 0TM602039932000 | R931002281      |
| 0TM602039935000 | R931002282      |
|                 |                 |

| Туре | Material number |
|------|-----------------|
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Subject to change.