

Insert type Relief direct acting adjustable, anti-cavitation function

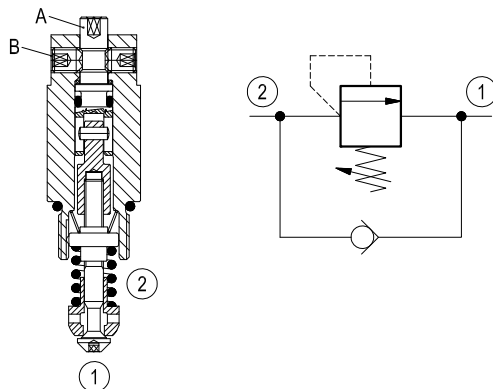
Special cavity, 869

VRA1.025

OT.M6.01 - X - 99 - Z



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.

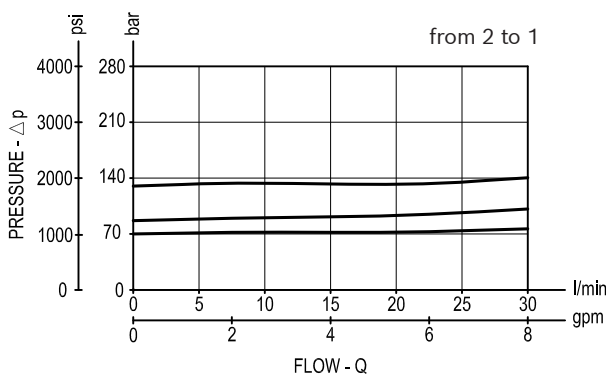
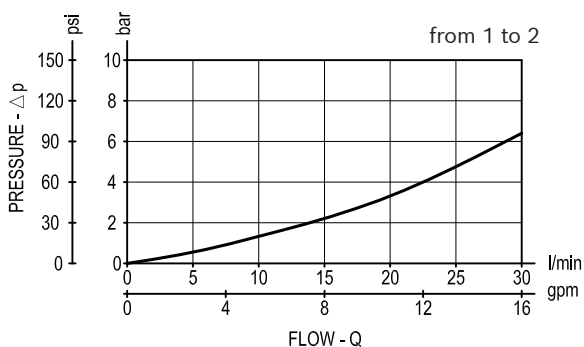
Note: to obtain a good leak proof performance coin the cavity seat using a loose valve seat (P/N 0F.S0.049) as a coining tool.

Please consult factory for any question.

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.

Performance



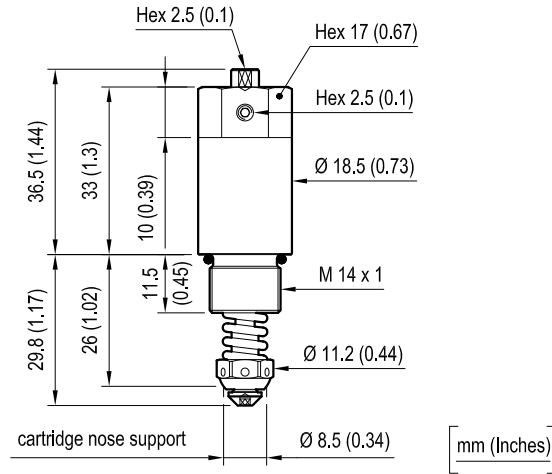
Technical data

Max. operating pressure	bar (psi)	210 (3000)
Max. flow	l/min. (gpm)	30 (8)
Max. internal leakage (*)	drops/min.	15
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	30-35 (22-26)
Weight	kg (lbs)	0.07 (0.15)
Special cavity		869 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.	RG0869020000100 R931002405
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /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

(*) at 80% of pressure setting

(**) Only external seals for 10 valves

Dimensions



Ordering code

OT.M6.01	X	99	Z	*
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Insert type - Relief, direct acting adjustable, anti-cavitation function

Series 0/A to L unchanged performances and dimensions

Adjustments

= 03 Adjustable

Special cavity, 869

SPRINGS		
	Adj. pressure range bar (psi)	Pressure increase bar/turn (psi/turn)
= 05	20-70 (290-1000)	19 (278)
= 10	70-100 (1000-1450)	38 (551)
= 15	100-150 (1450-2175)	55 (798)
= 20	150-250 (2175-3625)	70 (1015)

Type	Material number
OTM601039905000	R931002274
OTM601039910000	R931002275
OTM601039915000	R931002684
OTM601039920000	R931002276

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