

Insert type Relief, direct acting and anti-cavitation function

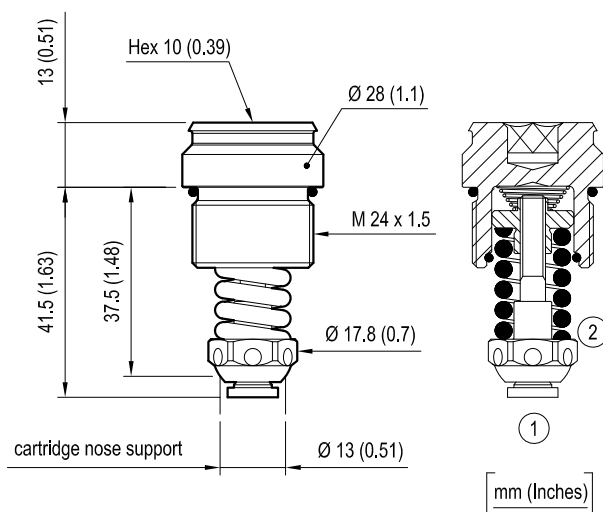
Special cavity, 870

VMA1.080

0T.M4.08 - X - 99 - Z - W



Dimensions

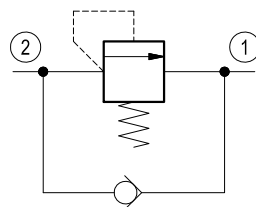


Description

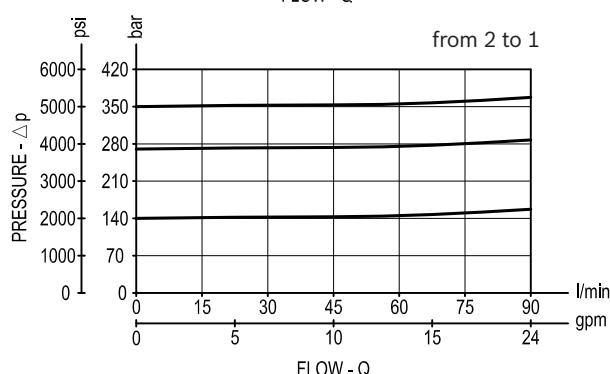
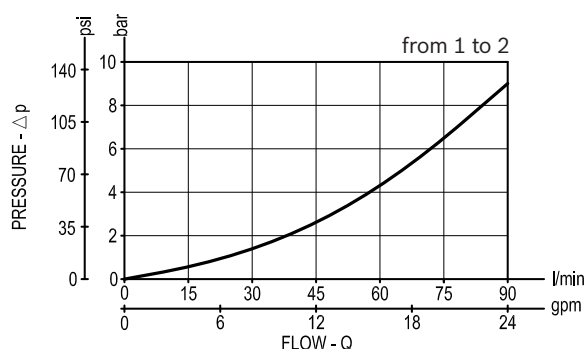
Flow is free from 1 to 2 until pressure increases to meet the selected valve setting, allowing relief flow through port 1 to tank. This valve combine the typical function of shock relief valve (direct acting) and anticavitation function through the check valve. The direct action and the specific design 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.S0.011) as a coining tool.

Please consult factory for any question.



Performance



Technical data

Max. operating pressure	bar (psi)	400 (5800)
Max. flow	l/min. (gpm)	90 (24)
Max. internal leakage (*)	drops/min.	30
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	65-70 (48-52)
Weight	kg (lbs)	0.11 (0.23)
Special cavity		870 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.	RG0870020000100 R931002407
Recommended degree of fluid contamination		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)
Filtration		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

Ordering code

OT.M4.08	X	99	Z	W	*
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acting and anti-cavitation function

Adjustments

= 00 Fixed setting

Special cavity, 870

Series O/A to L
unchanged performances and dimensions

SPRINGS	
Adj. pressure range bar (psi)	
90-140 (1300-2000)	= 10
140-270 (2000-3900)	= 20
270-350 (3900-5000)	= 35
350-400 (5000-5800)	= 40

	Std. SETTING bar (psi) Q=10 l/min (2.6 gpm)				
	for Z=10	for Z=20	for Z=35	for Z=40	
= 01	90 (1310)				
= 02	100 (1450)	150 (2180)	280 (4060)	360 (5220)	
= 03	110 (1600)	160 (2320)	290 (4210)	370 (5370)	
= 04	120 (1740)	170 (2470)	300 (4350)	380 (5510)	
= 05	130 (1890)	180 (2610)	310 (4500)	390 (5660)	
= 06	140 (2030)	190 (2760)	320 (4640)	400 (5800)	
= 07		200 (2900)	330 (4790)		
= 08		210 (3050)	340 (4930)		
= 09		220 (3190)	350 (5080)		
= 10		230 (3340)			
= 11		240 (3480)			
= 12		250 (3630)			
= 13		260 (3770)			
= 14		270 (3920)			

Type	Material number
OTM408009910010	R931002087
OTM408009910020	R931002219
OTM408009910030	R931002220
OTM408009910040	R931002221
OTM408009910050	R931002222
OTM408009910060	R931002088
OTM408009920020	R931002223
OTM408009920030	R901191435
OTM408009920040	R931002224
OTM408009920050	R931002225
OTM408009920060	R931000754
OTM408009920070	R931002226
OTM408009920080	R901192838
OTM408009920090	R931002227
OTM408009920100	R931002228
OTM408009920110	R931002229

Type	Material number
OTM408009920120	R931002230
OTM408009920130	R931002231
OTM408009920140	R931002232
OTM408009935020	R901196681
OTM408009935030	R931002233
OTM408009935040	R931002234
OTM408009935050	R931002235
OTM408009935060	R931002236
OTM408009935070	R931002237
OTM408009935080	R931002238
OTM408009935090	R931002239
OTM408009940020	R931002241
OTM408009940030	R931002242
OTM408009940040	R931002243
OTM408009940050	R931002244
OTM408009940060	R931002245

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Subject to change.