

RE 18329-16/01.19
Replaces: RE 18329-16/03.17

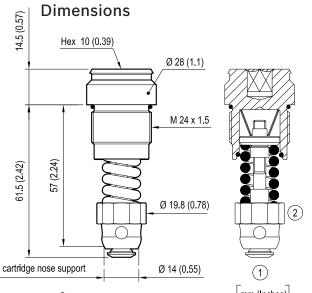
# Insert type Relief, direct acting and anti-cavitation function

## Special cavity, 871

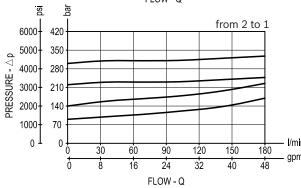
VMA1.180

0T.M4.09 - X - 99 - Z - W





# Performance | mm (Inches) | m

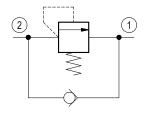


### Description

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  $\,$  OF.S0.050) as a coining tool.

Please consult factory for any question.



### Technical data

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Max. operating pres	sure bar (psi)	400 (5800)	
Max. flow I/min. (gpm)		180 (48)	
Max. internal leakage (*) drops/min.		30	
Fluid temperature ra	ange °C (°F)	-30 to 100 (-22 to 212)	
Installation torque	Nm (ft-lbs)	65-70 (48-52)	
Weight	kg (lbs)	0.15 (0.33)	
Special cavity		871 see data sheet RE 18325-75	
Lines bodies and stassemblies	tandard	Please refer to section "Hydraulic integrated circuit" or consult factory	
Seal kit (**)	code material no.	RG0870020000100 R931002407	
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)	
Recommended deg contamination	ree of fluid	Nominal value max. 10µm (NAS 8) ISO 4406 20/18/15	
Installation		No restrictions	
Other Technical Da	ta	See data sheet RE 18350-50	
(*) at 80% of press	ure setting		

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

### Ordering code

0T.M4.09 X 99 Z W \*

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

Adjustments

= 00 Fixed setting

Special cavity, 871

SPRINGS	
Adj. pressure range bar (psi)	
90-140 (1300-2000)	= 10
140-220 (2000-3200)	= 20
220-300 (3200-4400)	= 30
300-400 (4400-5800)	= 40

Series 0/A to L unchanged performances and dimensions

	Std. SETTING bar (psi) Q=10 l/min (2.6 gpm)					
	for Z=10	for Z=20	for Z=30	for Z=40		
= 01	90 (1310)					
= 02	100 (1450)	150 (2180)	230 (3340)	310 (4500)		
= 03	110 (1600)	160 (2320)	240 (3480)	320 (4640)		
= 04	120 (1740)	170 (2470)	250 (3630)	330 (4790)		
= 05	130 (1890)	180 (2610)	260 (3770)	340 (4930)		
= 06	140 (2030)	190 (2760)	270 (3920)	350 (5080)		
= 07		200 (2900)	280 (4060)	360 (5220)		
= 08		210 (3050)	290 (4210)	370 (5370)		
= 09		220 (3190)	300 (4350)	380 (5510)		
= 10				390 (5660)		
= 11				400 (5800)		

Туре	Material number
0TM409009910010	R931002340
0TM409009910020	R931001395
0TM409009910030	R931002341
0TM409009910040	R931002342
0TM409009910050	R931001844
0TM409009910060	R931000860
0TM409009920020	R931002343
0TM409009920030	R931002344
0TM409009920040	R931002345
0TM409009920050	R931000862
0TM409009920060	R931001850
0TM409009920070	R931002346
0TM409009920080	R931000921
0TM409009920090	R931002347
0TM409009930020	R931001851
0TM409009930030	R931002348

Туре	Material number
0TM409009930040	R931001852
0TM409009930050	R931002349
0TM409009930060	R931001390
0TM409009930070	R931001853
0TM409009930080	R931001854
0TM409009930090	R931002356
0TM409009940020	R931002350
0TM409009940030	R931002351
0TM409009940040	R931002352
0TM409009940050	R931002353
0TM409009940060	R931002354
0TM409009940070	R931001409
0TM409009940080	R931002355
0TM409009940090	R931002357
0TM409009940100	R931002358
0TM409009940110	R931002359

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Subject to change.