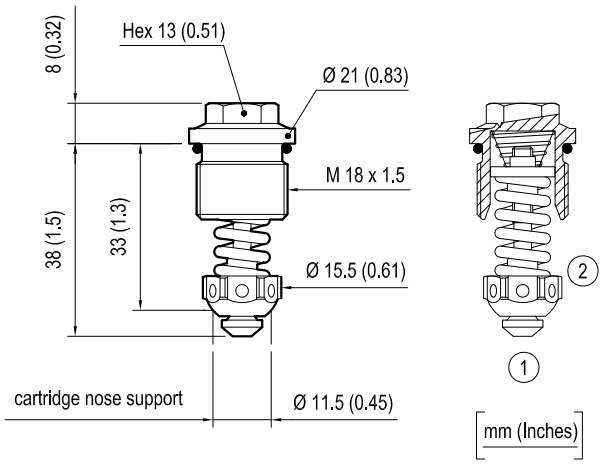
RE 18329-13/01.19
Replaces: RE 18329-13/03.17

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

## Special cavity, 808

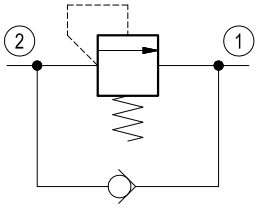
**VMA1.060** **0T.M4.07 - X - 99 - Z - W**

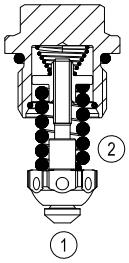
## Dimensions




## Description

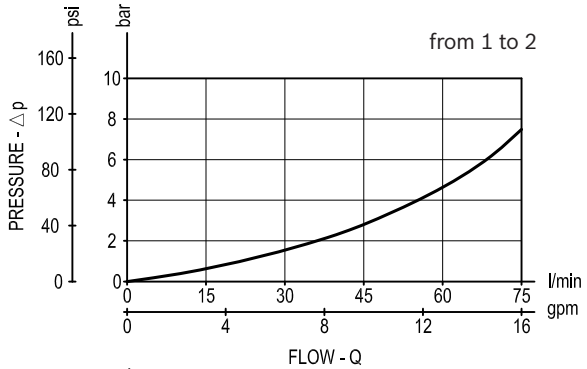
Flow is free from 1 to 2 until pressure increases to meet the selected valve setting, allowing relief flow through port 1 to tank. This valve combine the typical function of shock relief valve (direct acting) and anticavitation function through the check valve. The direct action and the specific design 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.S0.036) as a coining tool.
Impact energy: 5 ± 2 Nm.

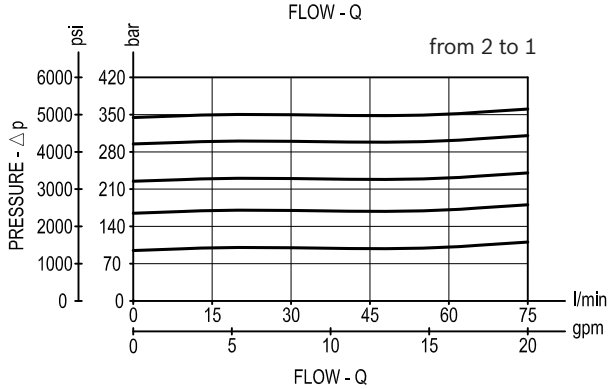



VMA7.060 version with retainer ring availbale by request fitting **slightly different cavity** of VMA1.060

## Performance




## Technical data

| | |
|---|---|
| Max. operating pressure bar (psi) | 380 (5500) |
| Max. flow l/min. (gpm) | 75 (20) |
| Max. internal leakage (*) drops/min. | 30 |
| Fluid temperature range °C (°F) | -30 to 100 (-22 to 212) |
| Installation torque Nm (ft-lbs) | 40-45 (33-37) |
| Weight kg (lbs) | 0.05 (0.11) |
| Special cavity | 808 see data sheet RE 18325-75 |
| MTTFd | 150 years see data sheet 18350-51 |
| Lines bodies and standard assemblies | Please refer to section “Hydraulic integrated circuit” or consult factory |
| Seal kit (**) code<br>material no. | RG0730020000100<br>R931002406 |
| 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

## Ordering code

| 0T.M4.07 | X | 99 | Z | W | * |
|---|---|---|---|---|---|

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

Adjustments

= 00 Fixed setting

Special cavity, 808

Series 0/A to L
unchanged performances and dimensions

| SPRINGS | |
|---|---|
| Adj. pressure range bar (psi) | |
| 20-100 (290-1500) | = 05 |
| 100-170 (1500-2500) | = 10 |
| 170-230 (2500-3300) | = 20 |
| 230-300 (3300-4400) | = 30 |
| 300-380 (4400-5500) | = 35 |

| | Std. SETTING bar (psi) Q=10 l/min (2.6 gpm) | | | | | |
|---|---|---|---|---|---|---|
| | for Z=05 | for Z=10 | for Z=20 | for Z=30 | for Z=35 | |
| = 01 | 20 (290) | | | | | |
| = 02 | 30 (440) | 110 (1600) | 180 (2610) | 240 (3480) | 310 (4500) | |
| = 03 | 40 (580) | 120 (1750) | 190 (2760) | 250 (3630) | 320 (4640) | |
| = 04 | 50 (730) | 130 (1890) | 200 (2900) | 260 (3770) | 330 (4790) | |
| = 05 | 60 (870) | 140 (2030) | 210 (3050) | 270 (3920) | 340 (4930) | |
| = 06 | 70 (1020) | 150 (2180) | 220 (3190) | 280 (4060) | 350 (5080) | |
| = 07 | 80 (1160) | 160 (2320) | 230 (3340) | 290 (4210) | 360 (5220) | |
| = 08 | 90 (1300) | 170 (2470) | | 300 (4350) | 370 (5370) | |
| = 09 | 100 (1450) | | | | 380 (5510) | |

| Type | Material number |
|---|---|
| 0TM407009905010 | R931002169 |
| 0TM407009905020 | R931002168 |
| 0TM407009905030 | R931002170 |
| 0TM407009905040 | R931002171 |
| 0TM407009905050 | R931002172 |
| 0TM407009905060 | R931002173 |
| 0TM407009905070 | R931002174 |
| 0TM407009905080 | R931002175 |
| 0TM407009905090 | R931002176 |
| 0TM407009910020 | R931002077 |
| 0TM407009910030 | R931002177 |
| 0TM407009910040 | R931002080 |
| 0TM407009910050 | R931002179 |
| 0TM407009910060 | R931002180 |
| 0TM407009910070 | R931002181 |
| 0TM407009910080 | R931002183 |
| 0TM407009920020 | R931002204 |
| 0TM407009920030 | R931002205 |
| 0TM407009920040 | R931002206 |

| Type | Material number |
|---|---|
| 0TM407009920050 | R931002207 |
| 0TM407009920060 | R931002208 |
| 0TM407009920070 | R931002209 |
| 0TM407009930020 | R931002210 |
| 0TM407009930030 | R931002211 |
| 0TM407009930040 | R931002212 |
| 0TM407009930050 | R931001966 |
| 0TM407009930060 | R931002213 |
| 0TM407009930070 | R931001967 |
| 0TM407009930080 | R931002214 |
| 0TM407009935020 | R931002215 |
| 0TM407009935030 | R931001427 |
| 0TM407009935040 | R931001968 |
| 0TM407009935050 | R931001969 |
| 0TM407009935060 | R931002216 |
| 0TM407009935070 | R931002217 |
| 0TM407009935080 | R931001970 |
| 0TM407009935090 | R931002218 |

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