

Dual cross over relief, pilot operated,  
 with anti-cavitation check valves,  
 flangeable to motor

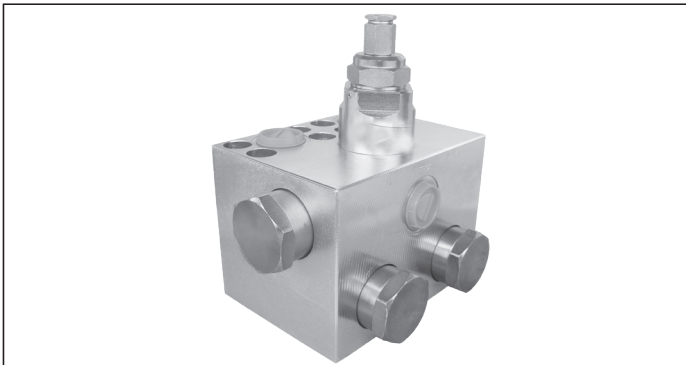
A-VAA-CC-42-FM

08.81.16 - X - Y - Z

**RE 18308-25**

Edition: 03.2016

Replaces: 04.2010



### Description

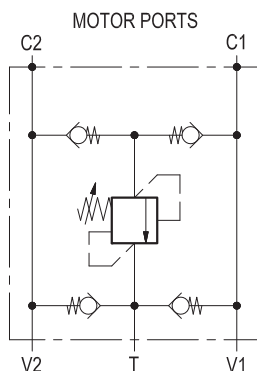
It relieves the inlet pressure from either one of the supply lines and it protects motors or hydraulic actuators from shocks or pressure surges induced by changes in direction or by sudden stops. The relief is of the cross over type, and exhausted oil is transferred through the check valve to the low pressure line (from V1 into V2, or vice-versa) to prevent cavitation. An extra tank port (T), with 2 additional checks, allows to make up for any drain or exhausted flow and ensures that the motor is always full.

### Technical data

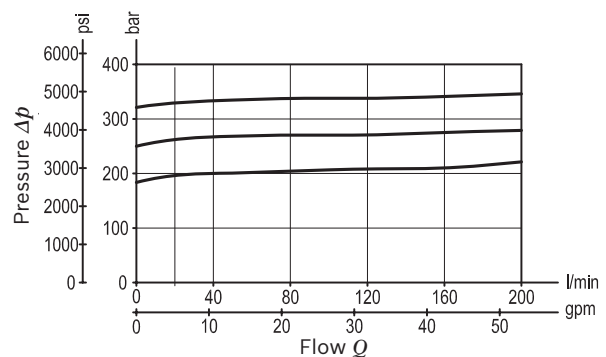
Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min. (53 gpm)
Weight	11.8 kg (26 lbs)
Manifold material	Zinc plated steel
Flange seal kit <sup>1)</sup>	E00000000000002 (R930004532)
Flangeable on REXROTH motors A2FE 45-56-63 series	
The direct acting relief cartridge has hydraulic damping and provides enhanced stability at all flows and pressures	
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

<sup>1)</sup> Seals for 5 valves.



### Characteristic curve



**Ordering code**

<b>08.81.16</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
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**Adjustments**

**03** Leakproof hex. socket screw



SPRINGS			
	Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min) bar (psi)
<b>35</b>	70-350 (1000-5000)	65 (943)	300 (4350)

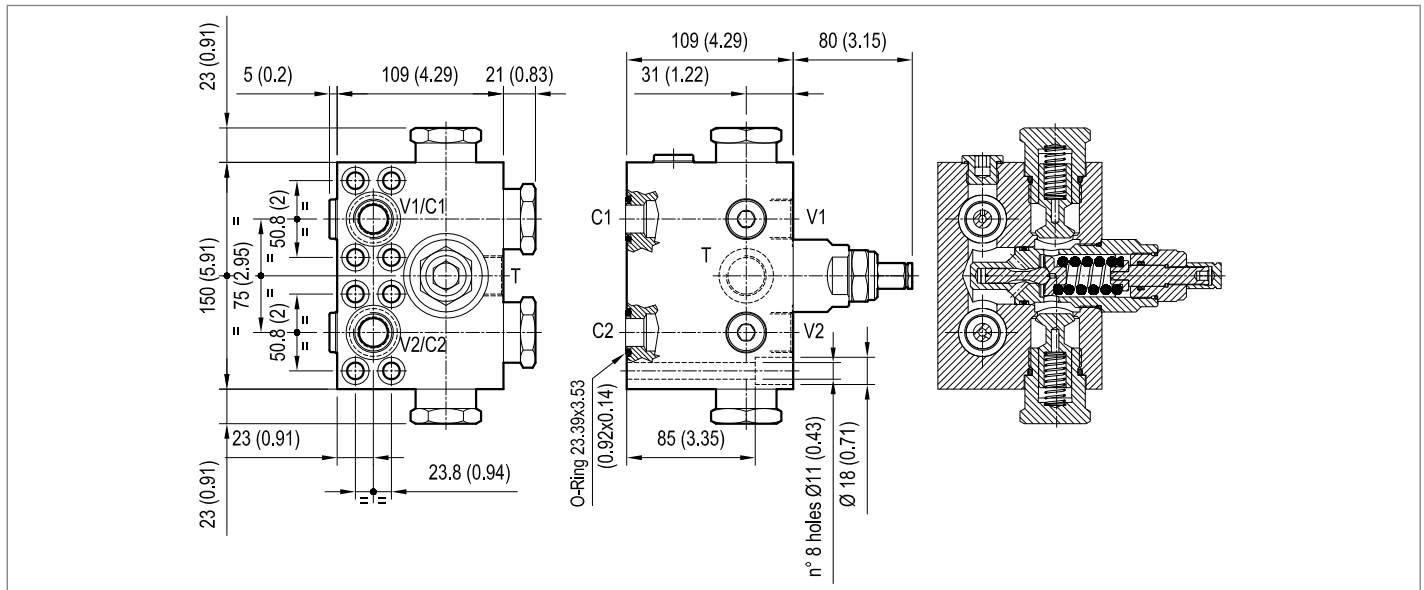
Port sizes	V1 - V2 - T	C1 - C2
<b>04</b>	G 3/4	Ø 18.5 (0.73)

**Preferred types**

Type	Material number
088116030435000	R930005838

Type	Material number

**Dimensions**



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