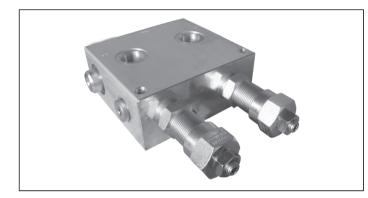


Dual cross over relief, direct acting with anti-cavitation check valves

VSDI-VA-80



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 dual relief is of the cross over type, and exhausted oil is transferred to the other line (from V1 into V2 and vice-versa) to prevent cavitation. An extra tank port (T), with 2 checks, allows to make up for any drain or exhausted flow and ensures that the motor is always full. RE 18308-20

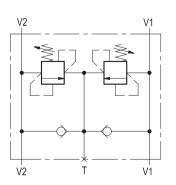
Edition: 03.2016 Replaces: 04.2010

Technical data

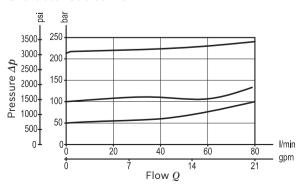
05.16.05 - X - Y - Z

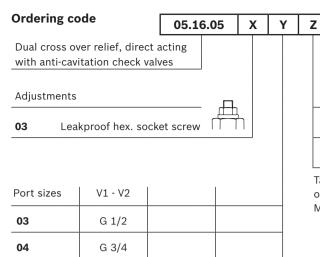
Operating pressure	up to 210 bar (3000 psi)	
Max. flow	80 l/min. (21 gpm)	
Weight	2.4 kg (5.3 lbs)	
Manifold material	Aluminium	
Note: aluminium bodies are ofte pressures exceeding 210 bar (3 fatigue life expected in the spec our Service Network.		
For relief cartridge details, see F	RE 18318-25 (VS-80 041105X99Z)	
Each cartridge can be individual the valve should be fitted as close	ly pressure set. For best protection, se to the actuator as possible.	
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 ² /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.



Characteristic curve





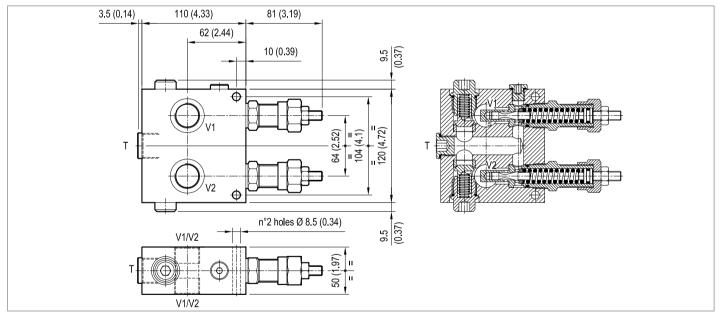
-			
	SPRINGS		
Ī	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (l/min)
	bar (psi)	(psi/turn)	bar (psi)
10	30-100	12	100
	(435-1450)	(174)	(1450)
20	80-250	27	200
	(1160-3600)	(392)	(2900)
_			

Tamper resistant cap ordering code 11.04.23.003 Mat. no. R930000754

Preferred types

Туре	Material number	Туре	Material number
051605030310000	R930001368	051605030410000	R930001960
051605030320000	R930001369	051605030420000	R930001370

Dimensions



Bosch Rexroth Oil Control S.p.A.

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