05.16.01 - X - Y - Z

Service

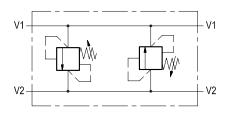


RE 18308-19/04.10 1/2 Replaces: RE 00171/02.07

Dual cross over relief, direct acting



VSDI-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), without the necessity of a separate tank line: this feature also prevents cavitation when used in conjunction with closed centre directional valve.

Technical data

Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	l/min (gpm)	80 (21)
For relief cartridge detai	ls, see RE 18318	-25 (VS-80 041105X99Z)

Each cartridge can be individually pressure set. For best protection, the valve should

be fitted as close to the actuator as possible.

General

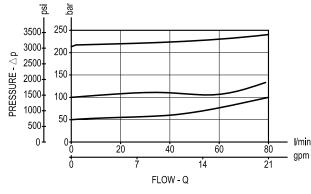
Other technical data

Manifold material		Aluminium	
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.			
Weight kg (lbs) 1.63 (3.59)			
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)	

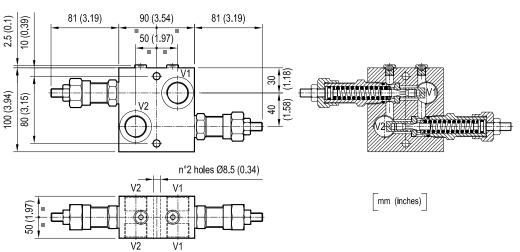
see data sheet RE 18350-50

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

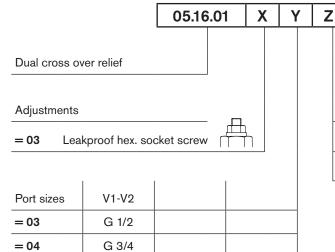
Performance



Dimensions



Ordering code



	(
	SPRINGS		
	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	
code 11.04.23.003	L
R930000754	

Туре	Material number
051601030310000	R930001348
051601030320000	R930001349
051601030410000	R930001959
051601030420000	R930001350

Туре	Material number

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Subject to change.