

RE 18310-13/04.10

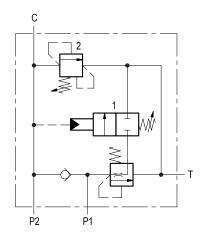
1/2 Replaces: RE 00171/02.07

Pump unloading



VEP-VSP2

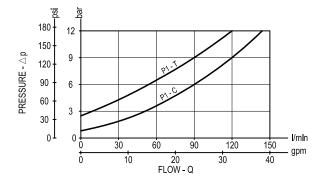
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Description

Through the check valve, the pump inlet P1 is combined to the inlet P2 to give maximum flow out of C at low pressure. As load pressure (C) increases and reaches the selected unloading setting, the pilot piston (1) is displaced and exhausts to tank the spring chamber of the main spool allowing P1 pump to be by-passed to tank. Above this pressure threshold, only P2 pump continues to deliver oil out of C, with a resulting reduced flow at high pressure. The incorporated relief cartridge (2) provides protection by limiting the maximum pressure in the system line (C).

Performance



Technical data

Hydraulic

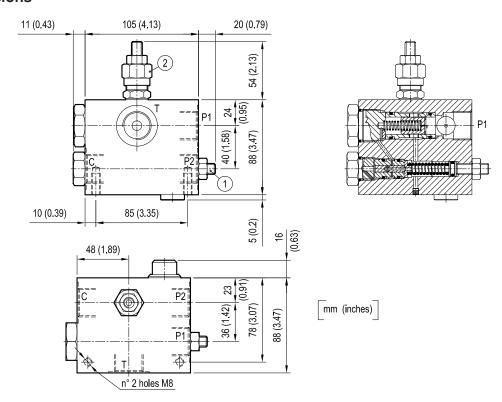
Operating pressure	bar (psi)	P1 = 100 (1450) P2 = 210 (3000)
Max. flow of valve 2	I/min (gpm)	30 (8)

General

Manifold material	ifold 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)	2.5 (5.5)	
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)	
Other technical data		see data sheet RE 18350-50	

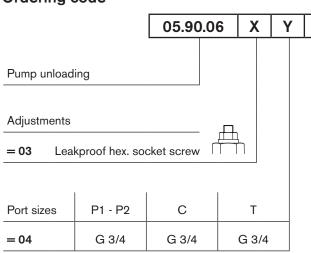
Note: for applications outside these parameters, please consult us.

Dimensions



Ζ

Ordering code



		SPRINGS		
		Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (I/min.) bar (psi)
= 20	Valve 1	20-100 (290-1450)	24 (348)	50 (725)
	Valve 2	50-210 (725-3000)	47 (682)	200 (2900)
= 35	Valve 1	20-100 (290-1450)	24 (348)	50 (725)
	Valve 2	100-350 (1450-5000)	82 (1189)	300 (4350)

Tamper resistant cap code 11.04.23.003

Туре	Material number
059006030420000	R930002562
059006030435000	R930002563

Туре	Material number

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The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Subject to change.