

Pump unloading

VEP-VSP2



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).

RE 18310-13

Edition: 03.2016 Replaces: 04.2010

Technical data

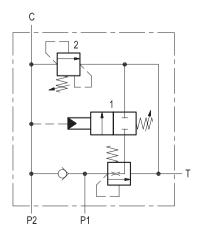
05.90.06 - X - Y - Z

Operating pressure	P1 = 100 bar (1450 psi)
	P2 = 210 bar (3000 psi)
Max. flow of valve 2	30 l/min. (8 gpm)
Weight	2.5 kg (5.5 lbs)
Manifold material	Aluminium

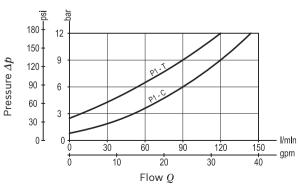
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

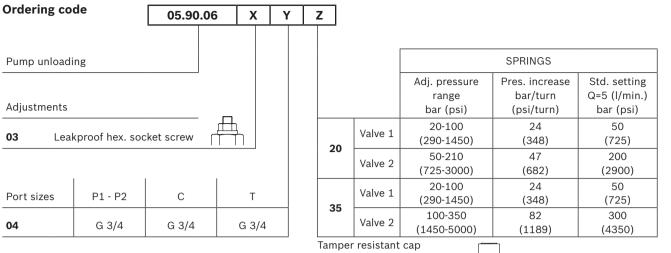
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

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



Characteristic curve





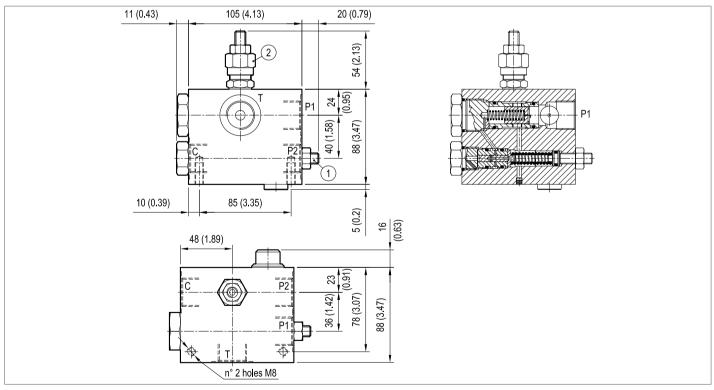
ordering code 11.04.23.003

Mat. no. R930000754

Preferred types

Туре	Material number	Туре	Material number
05900603042000A	R930059057		
05900603043500A	R930059058		

Dimensions



Bosch Rexroth Oil Control S.p.A.

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