05.90.27 - X - Y - Z

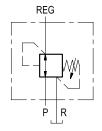


RE 18309-72/04.10

1/2 Replaces: RE 00171/02.07

Pressure reducing and relieving, direct acting spool type

VRP-R



REG = A (Reduced pressure) R = T (Tank)

Description

Initially, flow passes freely from P to REG. When the pressure at REG exceeds the pressure setting, the valve acts to restrict input flow at P. This increases the pressure drop through the valve and maintains consistent pressure at REG. The spring chamber is drained to prevent a build-up of back-pressure against the spool. Additionally, if pressure at REG rises above the pressure setting, flow is relieved to R (Tank) until the setting is re-attained.

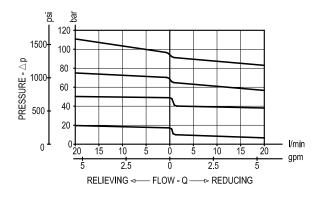
Hydraulic

Technical data

Max. operating pressure	bar (psi)	210 (3000)
Max. flow	l/min (gpm)	20 (5)

Max leakage: 10 cc/min (0.6 in³/min) at 90% of pressure setting.

Performance

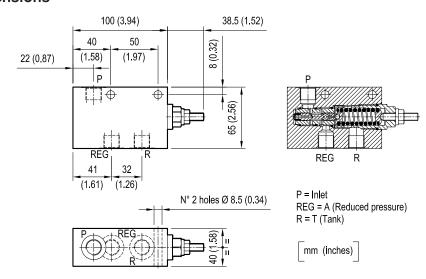


General

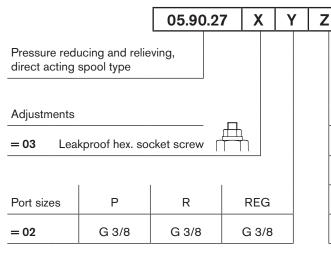
Manifold material		Aluminium	
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.			
Weight	kg (lbs)	0.85 (1.87)	
Fluid temperature range	°C (°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



Ordering code



	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (I/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 02	2-21	3	10
	(30-305)	(44)	(145)
= 04	3-42	5	20
	(44-610)	(73)	(290)
= 06	7-63	8	30
	(102-914)	(116)	(435)
= 10	11-105	13	50
	(160-1525)	(189)	(725)

Туре	Material number
05902703020200B	R930002585
05902703020400B	R930002587
05902703020600B	R930002588
05902703021000B	R930002589

Туре	Material number

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