

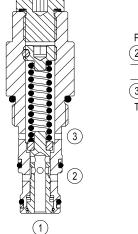
## RE 18318-54/09.10 1/2 Replaces: RE 18318-54/09.09

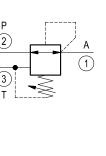
# Pressure reducing and relieving, direct acting spool damped type

Common cavity, Size 10

VRPR-10A-8



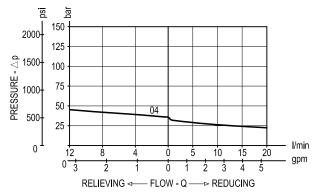




#### Description

Initially, flow passes freely from 2 to 1. When the pressure at 1 exceeds the pressure setting, the valve acts to restrict input flow at 2. This increases the pressure drop through the valve and maintains consistent pressure at 1. The spring chamber is drained at 3 to prevent a build-up of back-pressure against the spool. Additionally, if pressure at 1 rises above the pressure setting, flow is relieved to 3 until the setting is re-attained. Compared to VRPR-10A it allows a smoother dynamic and lower flow rate.

#### Performance



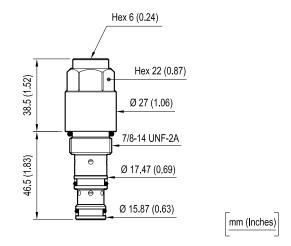
#### Technical data

Max. operating pressure port 2 (P) bar (psi)	350 (5000)		
Max. pressure admitted bar (psi) port 1 (A)	50 (725)		
Max. flow I/min. (gpm)	20 (5)		
Max. internal leakage (*) cm <sup>3</sup> /min. (cu.in./min.)	130 (8)		
Fluid temperature range °C (°F)	-30 to 100 (-22 to 212)		
Installation torque Nm (ft-lbs)	41-47 (30-35)		
Weight kg (lbs)	0.3 (0.6)		
Cavity	CA-10A-3N see data sheet RE 18325-70		
Seal kit (**) code material no.			
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)		
Filtration	Nominal value max. 10µm (NAS 8 ISO 4406 19/17/14		
Installation	No restrictions		
Other general technical data	See data sheet RE 18350-50		
(*) 1 2 to $900$ of processing patting	~		

(\*) 1 - 3 to 80% of pressure setting

(\*\*) Only external seals for 10 valves

#### Dimensions



### Ordering code

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								eries 0/A to L Inchanged perfo	rmances and dime	nsions
Pressure reducing direct acting spoc	g and relieving, I damped type					Ver	sion	and options st	andard	
						SPRINGS				
Common cavity, S	Size 10					A		press. range oar (psi)	Pressure increase bar/turn (psi/turn)	Std. setting bar (psi) (reduc. mode)
					= 04	1	10-4	5 (145-650)	12 (174)	35 (500)
					= 06	2	0-70	) (290-1015)	20 (290)	60 (870)
					= 10	40	0-10	0 (580-1450)	33 (479)	90 (1305)

Туре	Material number	Туре	Material number
049509838504000	R930005668		
049509838506000	R930005883		
049509838510000	R930005669		

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Subject to change.