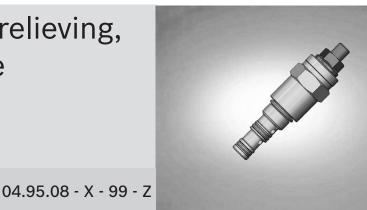


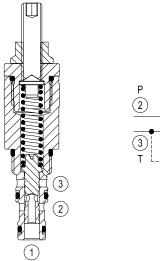
RE 18318-59/07.12 1/2 Replaces: RE 18318-59/01.10

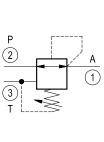
# Pressure reducing and relieving, direct acting spool type

## Special cavity

VRPR-07A



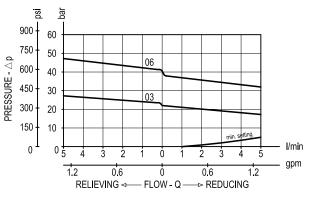




#### Description

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.

### Performance



#### Technical data

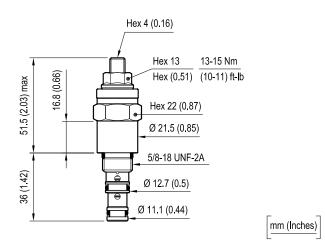
Max. operating pressure bar (psi) port 2 (P)	420 (6000)			
Max. pressure admitted bar (psi) port 1 (A)	70 (1000)			
Max. flow l/min. (gpm)	5 (1.3)			
Max. internal leakage (*) cm³/min. (cu.in./min.)	50 (3)			
Fluid temperature range °C (°F)	-30 to 100 (-22 to 212)			
Installation torque Nm (ft-lbs)	24-27 (18-20)			
Weight kg (lbs)	0.14 (0.31)			
Special cavity	CA-07A-3N see data sheet RE 18325-75			
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 - 3 to 80% of pressure settin	a			

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

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

### Dimensions

#### Leakproof hex. socket screw



#### Ordering code

C	4.95.08	X	99	) Z	0	0 *			
						1 1	eries 0/A to nchanged pe	L erformances and	dimensions
Pressure reducing and relig direct acting spool type	eving,					Versio	on and optio	ns standard	
Adjustments								SPRINGS	
= 91 Leakproof hex. socket	screw						ress. range ar (psi)	Pressure increase bar/turn (psi/ turn)	Std. setting bar (psi) (reduc mode)
					= 03	5-30	(75-435)	4.5 (65)	20-25 (290-360)
Special cavity, CA-07A-3N					= 06	10-60	(145-870)	8 (116)	40-45 (580-650)

**Note:** Special settings available. Contact factory authorized representative for ordering code

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