

1/2

RE 18318-10/05.10

Replaces: RE 00162-02/01.06

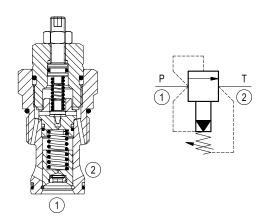
# Relief, pilot operated spool type

Common cavity, Size 16

VSPN-16A

04.12.11 - X - 27 - Z

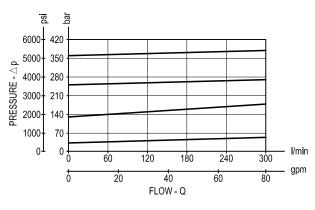




# Description

Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the conical, pilot-stage poppet from its seat. This action exhausts oil above the main-stage piston (spool type), allowing it to shift and provide relief flow through 2 to tank. Pressure at 2 is additive to the relief setting of the valve. Pilot operation is protected from contamination by a filter screen at the bottom of the main piston.

# Performance

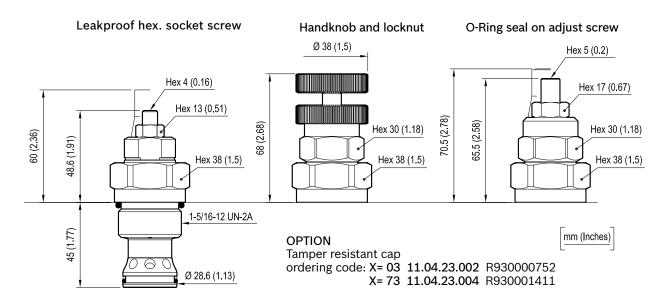


### Technical data

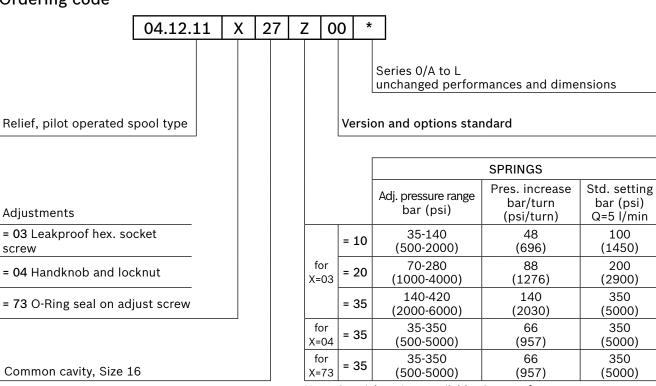
Max. operating pressure bar (psi) port 1 (P)	420 (6000)
Max. pressure admitted port 2 (T) bar (psi)	140 (2000)
Flow range I/min. (gpm)	8-300 (2-79)
Max. internal leakage (*) cm³/min. (cu.in./min.)	350 (21)
Fluid temperature range °C (°F)	-30 to 100 (-22 to 212)
Installation torque Nm (ft-lbs)	108-122 (80-90)
Weight (**) kg (lbs)	0.45 (0.99)
Cavity	CA-16A-2N see data sheet RE 18325-70
Seal kit (***) code material no.	RG16A2010520100 R901111386
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
T	

- (\*) Measured at 200 bar (2900 psi)
- (\*\*) Standard version X=03 type
- (\*\*\*) Only external seals for 10 valves

#### **Dimensions**



## Ordering code



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

Туре	Material number
041211032710000	R930001025
041211032720000	R930001026
041211032735000	R930001027
041211042735000	R930001024
041211732735000	R930001028

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Material number

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.