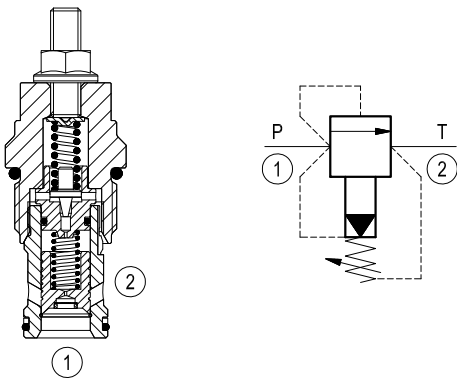


Relief, pilot operated spool type

Common cavity, Size 12

VSPN-12A

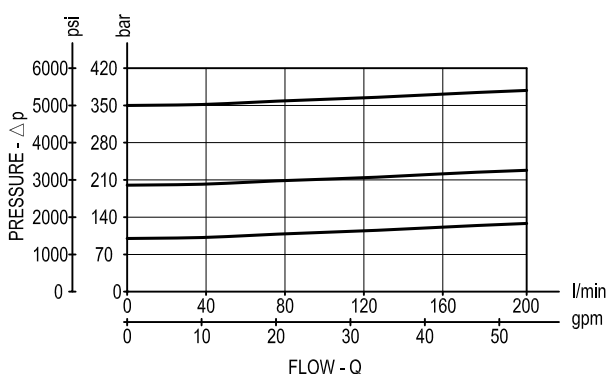
04.12.10 - X - 57 - Z



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.

Performance



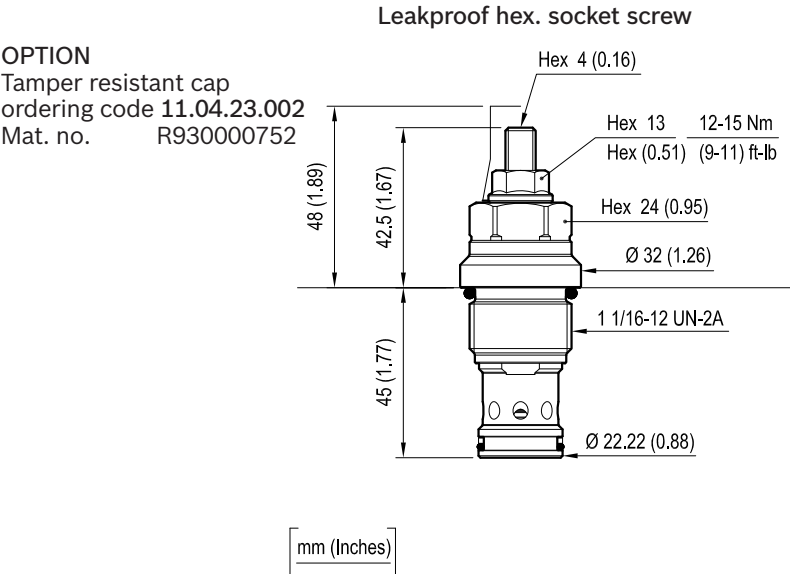
Technical data

Max. operating pressure port 1 (P)	bar (psi)	420 (6000)
Max. pressure admitted port 2 (T)	bar (psi)	140 (2000)
Flow range	l/min. (gpm)	5-200 (1.3-53)
Max. internal leakage (*)	cm ³ /min. (cu.in./min.)	350 (21)
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	81-95 (60-70)
Weight	kg (lbs)	0.2 (0.5)
Cavity		CA-12A-2N see data sheet RE 18325-70
Seal kit (**)	code material no.	RG12A2010520100 R901111377
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /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

(*) Measured at 200 bar (2900 psi)

(**) Only external seals for 10 valves

Dimensions



Ordering code

04.12.10	X	57	Z	00	*
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Relief, pilot operated spool type

Adjustments
= 03 Leakproof hex. socket screw

Common cavity, Size 12

Series 0/A to L
unchanged performances and dimensions

Version and options standard

SPRINGS			
	Adj. press. range bar (psi)	Pressure increase bar/turn (psi/turn)	Std. setting bar (psi) Q=5 l/min
= 10	35-140 (500-2000)	48 (696)	100 (1450)
= 20	70-280 (1000-4000)	88 (1276)	200 (2900)
= 35	140-420 (2000-6000)	140 (2030)	350 (5000)

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

Type	Material number
041210035710000	R930000334
041210035720000	R930000335
041210035735000	R930000336

Type	Material number