

VBSN-12U-RS



Description

When pressure at 2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from 2 to 1. When load pressure at 1 rises above the pressure setting (turn counterclockwise to increase setting - turn clockwise to decrease setting), the directacting, differential area relief function is activated and flow is relieved from 1 to 2. With pilot pressure at 3, the pressure setting is reduced in proportion to the stated ratio of the valve, until fully open with free-flow from 1 to 2. Any back-pressure at 2 is additive to the pressure setting in all functions.

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Technical data		
Max. operating pressure	350 bar (5000 psi)	
Max. flow	120 l/min (32 gpm)	
Max. internal leakage ¹⁾	15 drops/min.	
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)	
Installation torque	60 - 70 Nm (44 - 52 ft-lbs)	
Weight	0.37 kg (0.82 lbs)	
Cavity	SUN T-2A	
Lines bodies and standard	Please refer to section "Hydraulic	
assemblies	integrated circuit" or consult factory	
Seal kit ²⁾	Code: RG12U9020110100	
	material no: R930005599	
Fluids	Mineral-based or synthetics with	
	lubricating properties	
	at viscosities of 10 to 500 mm ² /s (cSt)	
Recommended degree of	Nominal value max. 10µm (NAS 8) /	
fluid contamination	ISO 4406 19/17/14	

Pressure setting: at least 1.3 times the load induced pressure.

No restrictions

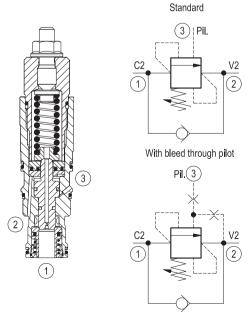
See data sheet 18350-50

1) At 70% of pressure setting

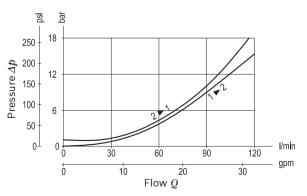
Installation position

Other Technical Data

2) Only external seals for 10 valves



Characteristic curve

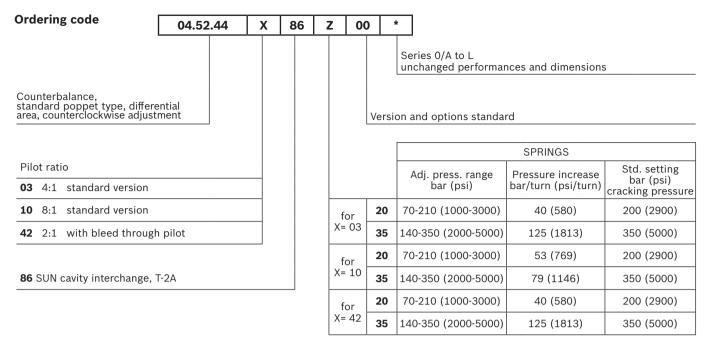


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Rexroth

Bosch Group

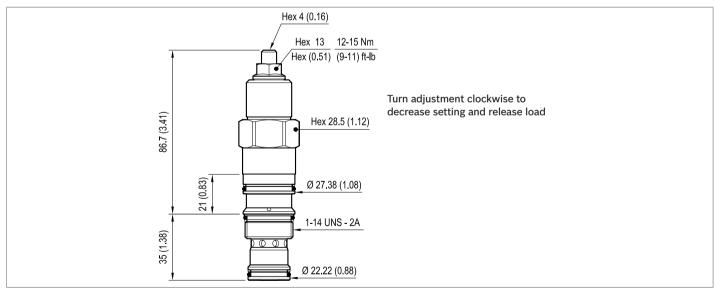


Note: Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Туре	Material number	Туре	Material number
045244038620000	R930006116	045244108635000	R930006119
045244038635000	R930006117	045244428620000	R930006120
045244108620000	R930006118	045244428635000	R930006121

Dimensions



Bosch Rexroth Oil Control S.p.A.

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