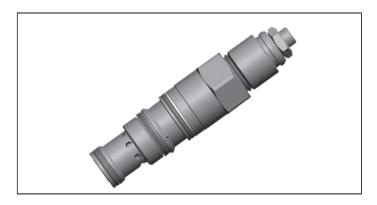


Counterbalance, vented guided poppet type, counterclockwise adjustment Sun cavity interchange, T-2A

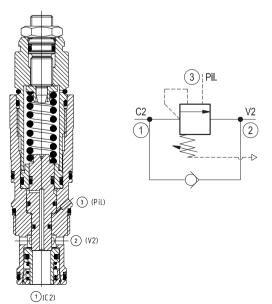
VBST-12U-RS 04.59.30 - X - 86 - Z

RE 18320-24Edition: 07.2023
Replaces: 01.2021



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 direct-acting, 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. The spring chamber is vented to atmosphere allowing operation of all functions independent of back-pressure at 2. Valve design prevents spring going solid and complete unscrewing during adjusting.

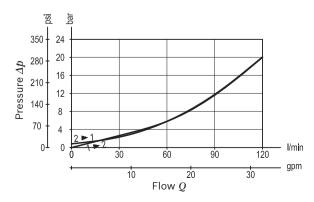


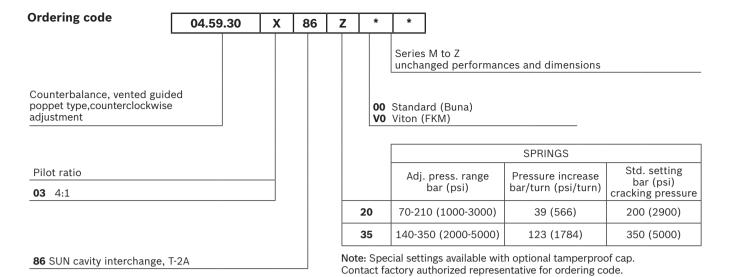
350 bar (5000 psi)
120 l/min (32 gpm)
15 drops/min.
-30 to 100 °C (-22 to 212 °F)
60 - 70 Nm (45 - 50 ft-lbs)
0.4 kg (0.88 lbs)
150 years see RE 18350-51
SUN T-2A
according to ISO 4413 with sealed adjustment screw to prevent oil leakage during adjustment
500h according to DIN EN ISO 9227:2017-07
Code: RG12U9020110100
material no: R930005599
Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)
Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14
No restrictions
See data sheet 18350-50

Pressure setting: at least 1.3 times the load induced pressure and maximum 1.5 times catalogue max nominal setting.

- 1) At 70% of pressure setting
- 2) Only external seals for 10 valves

Characteristic curve



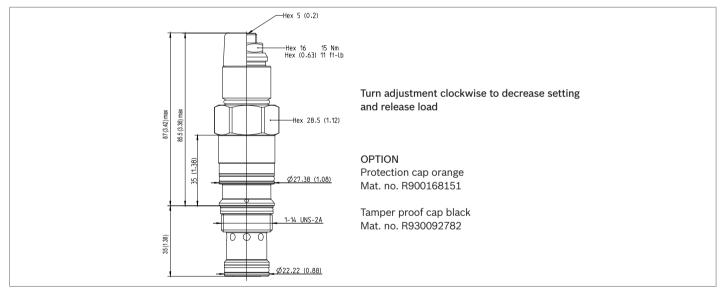


Preferred types

Туре	Material number
04593003862000M	R930081336
04593003863500M	R930081337

Туре	Material number

Dimensions



Bosch Rexroth Oil Control S.p.A.

Via Leonardo da Vinci 5 P.O. Box no. 5 41015 Nonantola – Modena, Italy Tel. +39 059 887 611 Fax +39 059 547 848

compact-hydraulics-cv@boschrexroth.com www.boschrexroth.com/compacthydraulics © This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent. 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.