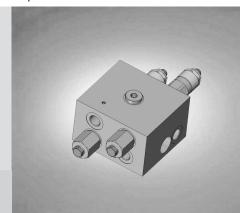


1/2

RE 18308-72/07.12

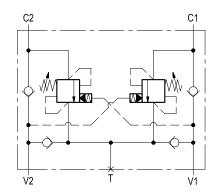
Replaces: RE 18308-72/04.10

Motion control



VAA-B-SICN-ST-50

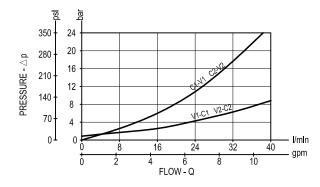
05.71.44 - X - 02 - Z



Description

It provides static and dynamic motion control by regulating flow and pressure IN and OUT of the hydraulic motor at ports C1 and C2. When installed close to the motor, it can stop runaway in case of hose failure. The check sections allow free flow into the motor and prevent reverse movement; the pilot assisted relief valves control the movement when pilot pressure is applied. A system of check valves allows cross line relief; an optional make-up port (T) allows to compensate for any volume change.

Performance



Technical data

Hydraulic

| Operating pressure | bar (psi) | up to 210 (3000) | |
|---|-------------|------------------|--|
| Max. flow | I/min (gpm) | 40 (11) | |
| Deliaf authory at least 1.0 times the bighest avecated lead | | | |

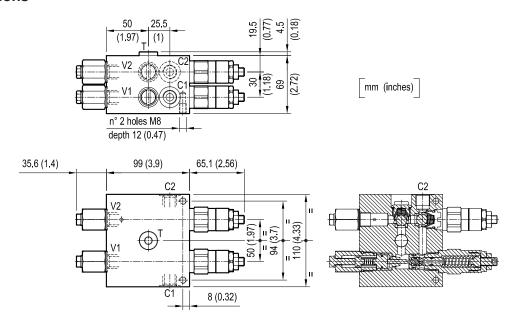
Relief setting: at least 1.3 times the highest expected load.

General

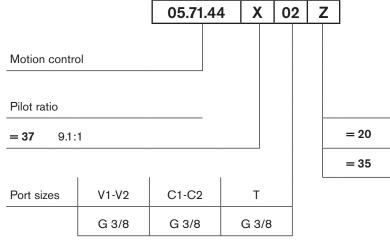
| Manifold material | | Aluminium | |
|--|----------|----------------------------------|--|
| Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network. | | | |
| Weight | kg (lbs) | 3.5 (7.7) | |
| Fluid temperature range | °C (°F) | between -30 (-22) and +100 (212) | |
| Other technical data | | see data sheet RE 18350-50 | |

Note: for applications outside these parameters, please consult us.

Dimensions



Ordering code



| | SPRINGS | | |
|------|---------------|----------------|--------------|
| | Adj. pressure | Pres. increase | Std. setting |
| | range | bar/turn | Q=5 (I/min.) |
| | bar (psi) | (psi/turn) | bar (psi) |
| = 20 | 60-180 | 60 | 150 |
| | (870-2600) | (870) | (2200) |
| = 35 | 100-350 | 100 | 150 |
| | (1450-5000) | (1450) | (2200) |

| Туре | Material number |
|-----------------|-----------------|
| 05714437022000A | R930006875 |
| 05714437023500A | R930006876 |
| | |
| | |
| | |

| Туре | Material number |
|------|-----------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

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

motion-control-valves@oilcontrol.com www.boschrexroth.com

© 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.