

Logic element, pressure control  
with internal pilot  
Common cavity, Size 20

VLSR-20A

04.84.04 - X - 58 - Z

**RE 18321-75**

Edition: 03.2016

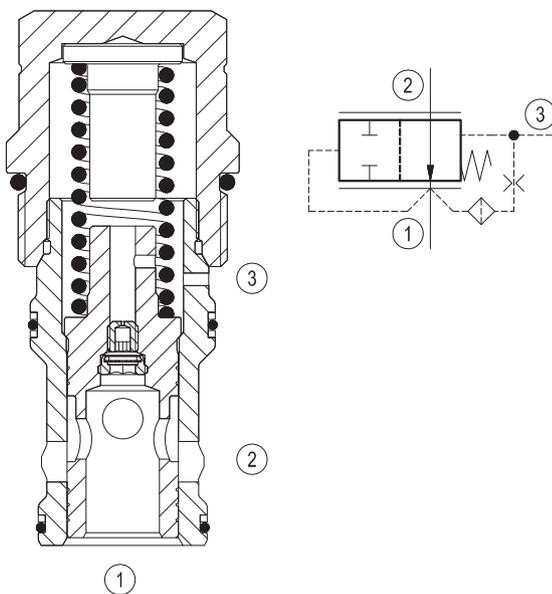
Replaces: 05.2011



| Technical data                            |  |
|---|--|
| Max. operating pressure                   | 350 bar (5000 psi)   |
| Max. Flow                                 | 230 l/min. (61 gpm)  |
| Max. internal leakage <sup>1)</sup>       | 75 cm <sup>3</sup> /min. (5 cu.in./min.)   |
| Fluid temperature range                   | -30 to 100 °C (-22 to 212 °F)  |
| Installation torque                       | 128 - 149 Nm (95 - 110 ft-lbs)   |
| Weight                                    | 0.6 kg (1.32 lbs)  |
| Standard internal orifice                 | 0.6 mm   |
| Cavity                                    | CA-20A-3C (see data sheet 18325-70)  |
| Lines bodies and standard assemblies      | Please refer to section "Hydraulic integrated circuit" or consult factory                                    |
| Seal kit <sup>2)</sup>                    | Code: RG20A9010530100<br>material no: R901111397   |
| Fluids                                    | Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt) |
| Recommended degree of fluid contamination | Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14  |
| Installation                              | No restrictions  |
| Other Technical Data                      | See data sheet 18350-50  |

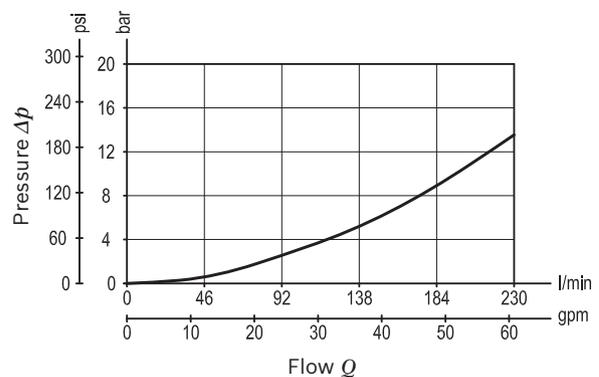
**Description**

When pressure at 1 rises above the selected spring bias pressure against the spool, the valve shifts to allow block flow from 2 to 1. The differential pressure between 1 and 3, across an internal orifice, is additive to the spring bias pressure. Note that flow, restricted by the internal orifice, can be transmitted from 3 to 1 and 2. The valve may be used in switching or compensation type applications.



- 1) Measured at 200 bar (2900 psi)
- 2) Only external seals for 10 valves

**Characteristic curve**



**Ordering code**

|                 |          |           |          |           |          |
|-----------------|----------|-----------|----------|-----------|----------|
| <b>04.84.04</b> | <b>X</b> | <b>58</b> | <b>Z</b> | <b>00</b> | <b>*</b> |
|-----------------|----------|-----------|----------|-----------|----------|

Logic element, pressure control with internal pilot

Series 0/A to L  
unchanged performances and dimensions

Version and options standard

**Adjustments**

**00** Fixed setting

| SPRINGS   |                       |
|-----------|-----------------------|
|           | Bias spring bar (psi) |
| <b>05</b> | 5.5 (80) ± 20%        |
| <b>11</b> | 11 (160) ± 15%        |

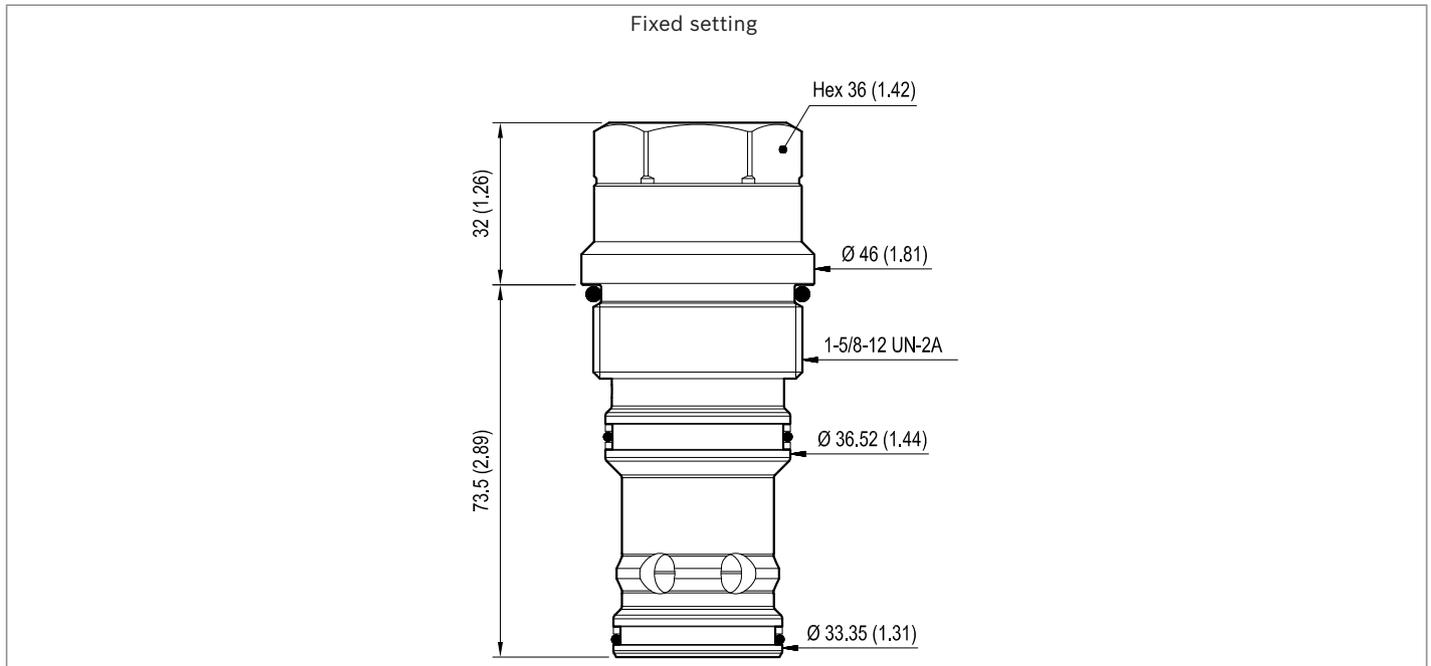
**58** Common cavity, Size 20

**Preferred types**

| Type            | Material number |
|-----------------|-----------------|
| 048404005805000 | R901195553      |
| 048404005811000 | R930002786      |

| Type | 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

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