

# 2-way Control Valve type L2S

Gun Metal, PN 16, DN 40 – 50 mm

0-2.2.05-K

Page 1 of 2



## APPLICATIONS

Control valves type L2S are designed for regulation of hot water and lubricating oils. The valves are installed combined with one of our self-acting thermostats, pressure differential regulators or electric valve actuators for regulation in central heating plants, industrial plants, industrial processes or marine installations.

## DESIGN

The valve body, seats and cone are made of gun metal RG 5. The stem is made of brass. The thread for the actuator connection is G1B ISO 228. The valves are double seated. The leakage rate is less than 0.5% of the full flow (according to VDI/VDE 2174).

## FUNCTION

Without the actuator being connected, the valve is held in open position by means of a spring. With pressure on the spindle the valve will close. In connection with our thermostats or electric actuators, the valves will close at rising temperatures. For cooling circuits the valve can be used in conjunction with a reverse acting electric actuator. Alternatively a reverse acting valve can be used with our self-acting thermostats. The linear characteristic will not cease, until the flow has dropped below 4% of the full flow.

## TECHNICAL DATA

### Materials:

- Valve body
- Components
- Stem
- Gasket

Gun metal RG 5

Gun metal RG 5

Brass

Reinz-AFM34

PN 16

Nominal pressure

Seating

Double seated

Flow characteristic

Linear

Leakage rate

$\leq 0.5\%$  of Kvs

Regulating capability

Kvs/Kvr  $> 25$

Internal connection threads

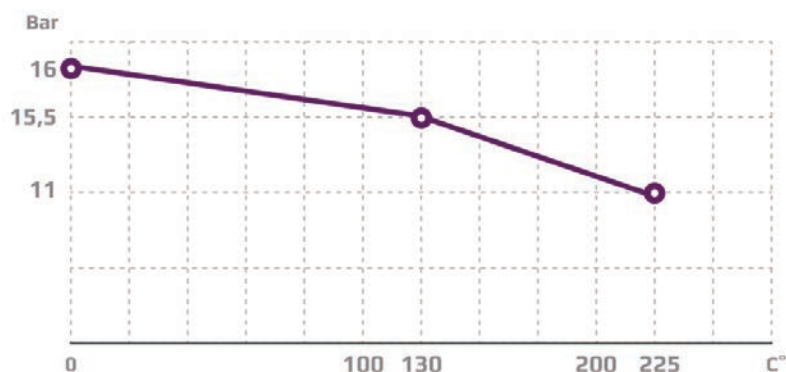
ISO 7/1

## FEATURES

- Simple design secures reliable controls and reduces costly downtime.
- Location of the pack box in the actuator makes the valve service friendly.

## PRESSURE/TEMPERATURE DIAGRAM

According to DIN 2401



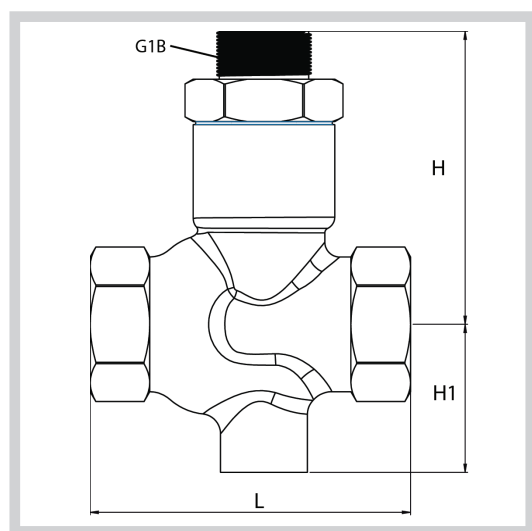
Subject to change without notice.



### MOUNTING

The valve can be installed with vertical as well as horizontal spindles. For valve temperatures of max. 170 °C, the thermostat/ actuator can be fitted below or above the valve. For valve mounted with thermostats in media temperatures above 170 °C, a cooling unit has to be applied with connection downwards (please refer to data sheet for thermostat accessories). For electric actuators a high temperature adaptor must be used (please refer to data sheets for the electric actuators).

### DIMENSION SKETCH



Type	L (mm)	H (mm)	H1 (mm)
40 L25	129	118	68
50 L25	153	122	71

### SPECIFICATIONS

Type	Connection threads	DN (mm)	Opening (mm)	$k_{vs}$ -value $m^3/h$	Lifting height (mm)	Weight (kg)
40 L25	Rp 1/2	40	40	20	8	2.9
50 L25	Rp 2	50	50	30	9	3.8