



## Overflow valve II° stage

S21C

### PRESENTATION:

Brass overflow valve suitable for the use with different types of fluids.

In the standard version the product is designed to operate with pressures up to 50 bar.

The control of the inlet pressure is realized by means of a:

- › diaphragm up to 15 bar;
- › piston for pressure above 15 bar.

USE: Compressed air, gas and liquids

CONNECTIONS: 1/2"

### OVERFLOW VALVE FEATURES:

|                       |   |
|-----------------------|---|
| Inlet pressure        | 0,2 ÷ 50 bar                                    |
| Operating temperature | - 20°C + 60°C                                   |
| Kv nominal            | 0,66 m <sup>3</sup> /h (UNI 60534-2)            |
| Weight                | ~1,7 Kg (with diaphragm)<br>~2 Kg (with piston) |

The product is compliant with PED Directive 2014/68/UE

### MATERIALS:

|   |                |
|---|----------------|
| Body, bonnet and adjusting screw  | Brass          |
| Internal parts  | Brass          |
| Adjusting spring<br>(not in contact with the fluid)                     | AISI 302 o C85 |
| O-Ring and shutter gasket<br>(different compounds available on request) | NBR            |
| Piston  | Brass          |
| Diaphragm   | NBR+PTFE       |

### MAINTENANCE KIT:

KS21C repair kit available on request.

Kit contains: shutter assembly, O-ring and diaphragm assembly.



Note

Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

"ODE" reserves the right to carry out technical and aesthetic modifications without prior notice.

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Model

**Connections**

- P 0** G 1/2 - F
- H 0** 1/2 NPT - F

**Overflow pressure**

- A 0** 0,2 ÷ 1,5 bar
- B 0** 0,3 ÷ 3 bar
- D 0** 0,8 ÷ 8 bar
- E 0** 1,5 ÷ 15 bar
- F 0** 3 ÷ 30 bar
- G 0** 5 ÷ 50 bar

**Accessories**

- 0 0** -
- 0 4** Fixed calibration
- 0 5** Precalibrated
- 0 6** With pressure gauge
- 0 8** Degreased use O<sub>2</sub>
- 1 6** O-Ring FDA compliance

**Certifications**

- R 0** CE
- U 0** CE+Atex 2014/34/UE
- Y 0** CE+EAC TR CU 032/2013 <sup>(1)</sup>
- V 0** CE+EAC TR CU 012/2011 <sup>(1)</sup>

<sup>(1)</sup> version certifiable on request

**Seal**

- 9 7** NBR
- 1 5** FPM use O<sub>2</sub>
- 1 7** NBR for liquids
- 1 8** EPDM for liquids
- 1 9** FPM for liquids
- 9 8** EPDM
- 9 9** FPM

**standard versions**

versions available on request

**DIMENSIONS:**

version with connections 1/2"

BRACKET AND RING NUT TO BE ORDERED SEPARATELY

M50x1.5

45

H

IN

OUT

78

RING NUT

Ø78,8

BRACKET

35

52,3

37,3

37,5

50

50

| Model     | H mm  |
|-----------|-------|
| Diaphragm | ~ 161 |
| Piston    | ~ 157 |

For other versions, please contact ODE Sales Office