



# **Valve 2/2 way - high angle pressure seat/process valve N.C. - Flow direction below the seat - pneumatically operated**

**21IA4T15GC2-HA**

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**21IA9T50GC2-HA**

## **PRESENTATION:**

- High flow rate due to the angle seat configuration.
- Anti-water hammer feature with the fluid entry below the seat.
- Electrical operation is easy with the addition of a solenoid pilot.
- Stainless steel body and corrosion resistant actuator.
- The pneumatic actuator can be rotated through 360 degrees.
- Optical position indicator.
- Internal seals are self adjusting for long life.
- Easily convertible from N.C. to N.O. or double acting.
- Universal mounting - any mounting orientation is acceptable.

**USE:** Automation, Heating, Water, Hot water, Steam (180°C), Aggressive and food fluids

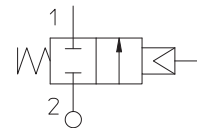
**PIPES:** G 1/2 - G 2

## **VALVE FEATURES:**

Fluid Temperature - 40°C + 180°C  
 Ambient temperature - 10°C + 80°C  
 (according to Atex requirements)  
 Viscosity of the fluid max 600 cSt  
 Material Stainless steel AISI series 316  
 Seal PTFE  
 Packing gland PTFE, FKM

## **PILOT ACTUATOR FEATURES:**

Fluid Dry Air or lubricated, gas and neutral fluids  
 Fluid Temperature max + 60°C  
 Body Polyamide 66 with 30% glass fibre  
 Gaskets NBR  
 Actuator Ø 70



| Pipe<br>ISO 228/1 | Code           | Ø<br>mm | Kv   | Actuator pilot<br>pressure (bar) |     | Differential<br>pressure (bar) |     | Max. allowable<br>pressure | Weight |
|-------------------|----------------|---------|------|----------------------------------|-----|--------------------------------|-----|----------------------------|--------|
|                   |                |         | l/mn | min                              | max | min                            | max | PS (bar)                   |        |
| G 1/2             | 21IA4T15GC2-HA | 15      | 80   | 5                                | 10  | 0                              | 35  | 40                         | 1,4    |
| G 3/4             | 21IA5T20GC2-HA | 20      | 150  |                                  |     |                                | 25  |                            | 1,5    |
| G 1               | 21IA6T25GC2-HA | 25      | 190  |                                  |     |                                | 20  |                            | 1,8    |
| G 1 1/4           | 21IA7T32GC2-HA | 32      | 340  |                                  |     |                                | 13  | 25                         | 2,4    |
| G 1 1/2           | 21IA8T40GC2-HA | 40      | 430  |                                  |     |                                | 8   |                            | 2,7    |
| G 2               | 21IA9T50GC2-HA | 50      | 620  |                                  |     |                                | 5,5 | 16                         | 3,9    |



**CE Approval**

(Pressure Equipment Directive 2014/68/EU)  
 for Valve 21IA7..-HA ÷ 21IA9..-HA

**According to Directive 2014/34/EU ATEX**

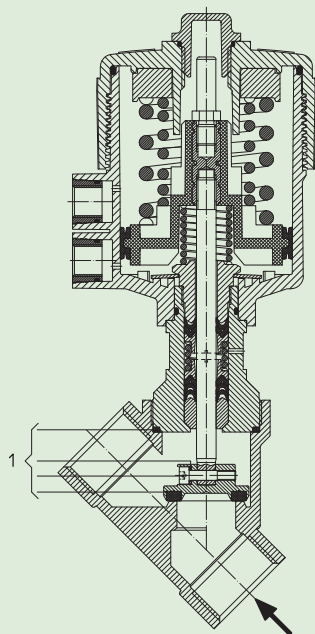


**II 2G c IIC TX**  
 (- 40°C ≤ Tamb ≤ 80°C)

## **Note**

Available on request pilot series S.V. 31A2 according to Atex requirements (see catalogue page) | Together with male thread nipple male G 1/4 - G 1/4 | Material compatibility with the fluids to be checked.

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



# MAINTENANCE KIT:

1.

|         |         |
|---------|---------|
| G 1/2   | R500045 |
| G 3/4   | R500048 |
| G 1     | R500051 |
| G 1 1/4 | R500054 |
| G 1 1/2 | R500057 |
| G 2     | R500060 |

## DIMENSIONS:

| Pipe<br>ISO 228/1 | A<br>mm | B<br>mm | C<br>mm | D<br>mm | H<br>mm | L<br>mm | T<br>mm |
|-------------------|---------|---------|---------|---------|---------|---------|---------|
| G 1/2             | 206,8   | SW 27   | 178,7   | 15,4    | 163,3   | 65      | 17      |
| G 3/4             | 211,7   | SW 32   | 188,6   | 21,9    | 166,7   | 75,5    | 19      |
| G 1               | 220,1   | SW 41   | 197,8   | 25,1    | 172,7   | 90      | 21      |
| G 1 1/4           | 235,9   | SW 50   | 212,3   | 28,5    | 183,8   | 110     | 24      |
| G 1 1/2           | 238,9   | SW 55   | 217,0   | 31,0    | 186     | 122     | 25,2    |
| G 2               | 247,8   | SW 70   | 229,7   | 37,5    | 192,2   | 151     | 28,5    |

