



Pneumatically operated angle seat valve 2/2 N.C. pressure below seat

SERIE 21IZ1
(BSP Threaded Connection)

PRESENTATION:

- High flow rate due to optimized body design.
- Optimized design to reduce water hammer effects.
- Stainless steel body, corrosion resistant.
- Optical position indicator.
- Stem packing self adjusting for long life service.
- Mounting orientation freely selectable.
- The pneumatic actuator can be 360° freely rotated.

USE: Fluids, gases, vapours (neutral, aggressive)

NOMINAL SIZE: DN10-DN80

VALVE FEATURES:

| | |
|---------------------|----------------|
| Fluid Temperature | - 10°C + 180°C |
| Ambient temperature | - 10°C + 80°C |
| Fluid viscosity | max 600 cSt |
| Body | AISI 316 |
| Seating seal | PTFE |
| Packing | PTFE |

PILOT ACTUATOR FEATURES:

| | |
|-------------------|-------------------|
| Pilot fluid | Air, inert gases |
| Fluid Temperature | max + 80°C |
| Housing | AISI 304 |
| Piston seal | FKM |
| Size | Ø 40-50-63-90-125 |



CE Approval

(Pressure Equipment Directive 2014/68/EU)
for Valve 21IZ1..032 ÷ ..050..

for Valve 21IZ1..065 ÷ ..080..

Use only with gaseous fluids of Group 2
(i.c. air) or for liquids or fluids Group 1 and 2
(i.c. water).

Nota

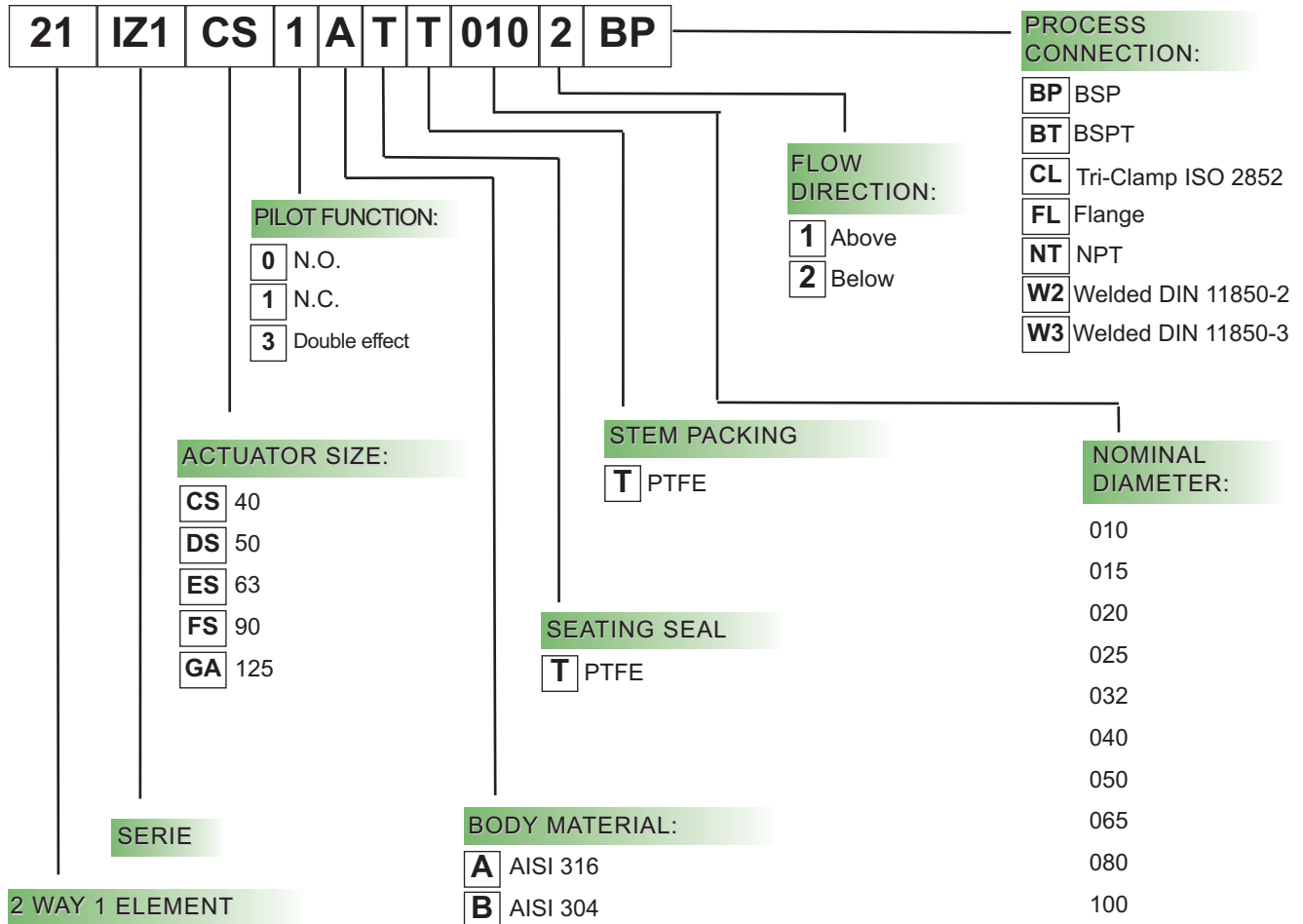
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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

| Pipe ISO 228/1 | Code | Ø mm | Kv | Actuator pilot pressure (bar) | | Differential pressure (bar) | | Max. allowable pressure |
|-------------------|-------------------|---------|------|----------------------------------|-----|--------------------------------|-----|----------------------------|
| | | | l/mn | min | max | min | max | PS (bar) |
| G 3/8 | 21IZ1CS1ATT0102BP | 13 | 48 | 0 | 3 | 0 | 13 | 16 |
| G 3/8 | 21IZ1DS1ATT0102BP | 13 | 48 | 0 | 4,5 | 0 | 14 | 16 |
| G 1/2 | 21IZ1CS1ATT0152BP | 13 | 59 | 0 | 4 | 0 | 13 | 16 |
| G 1/2 | 21IZ1DS1ATT0152BP | 13 | 59 | 0 | 4,5 | 0 | 14 | 16 |
| G 3/4 | 21IZ1DS1ATT0202BP | 18 | 119 | 0 | 4,5 | 0 | 14 | 16 |
| G 1 | 21IZ1DS1ATT0252BP | 24 | 226 | 0 | 4,5 | 0 | 8 | 16 |
| G 1 | 21IZ1ES1ATT0252BP | 24 | 226 | 0 | 5 | 0 | 13 | 16 |
| G 1 | 21IZ1FS1ATT0252BP | 24 | 226 | 0 | 3,5 | 0 | 14 | 16 |
| G 1 1/4 | 21IZ1ES1ATT0322BP | 31 | 289 | 0 | 5 | 0 | 6 | 16 |
| G 1 1/4 | 21IZ1FS1ATT0322BP | 31 | 289 | 0 | 6 | 0 | 16 | 16 |
| G 1 1/2 | 21IZ1ES1ATT0402BP | 35 | 411 | 0 | 5 | 0 | 5 | 16 |
| G 1 1/2 | 21IZ1FS1ATT0402BP | 35 | 411 | 0 | 6 | 0 | 16 | 16 |
| G 2 | 21IZ1ES1ATT0502BP | 45 | 660 | 0 | 5 | 0 | 3 | 16 |
| G 2 | 21IZ1FS1ATT0502BP | 45 | 660 | 0 | 6 | 0 | 10 | 16 |
| G 2 | 21IZ1GA1ATT0502BP | 45 | 660 | 0 | 6,5 | 0 | 16 | 16 |
| G 2 1/2 | 21IZ1FS1ATT0652BP | 61 | 1033 | 0 | 6 | 0 | 6 | 16 |
| G 2 1/2 | 21IZ1GA1ATT0652BP | 61 | 1033 | 0 | 5,5 | 0 | 9 | 16 |
| G 3 | 21IZ1GA1ATT0802BP | 80 | 1588 | 0 | 5,5 | 0 | 5 | 16 |

ORDERING CODE

21 IZ1 CS 1 A T T 010 2 BP





| Type | Pipe ISO 228/1 | A mm | C mm | K mm | L mm | Q ISO 228/1 | R mm | T mm | SW |
|-------------------|-------------------|---------|---------|---------|---------|----------------|---------|---------|-----|
| 21IZ1CS1ATT0102BP | G 3/8 | 124 | 50,5 | 112 | 68 | G 1/8 | 27 | 12 | 27 |
| 21IZ1DS1ATT0102BP | G 3/8 | 135 | 60 | 125 | 68 | G 1/8 | 33 | 12 | 27 |
| 21IZ1CS1ATT0152BP | G 1/2 | 124 | 50,5 | 112 | 68 | G 1/8 | 27 | 15 | 27 |
| 21IZ1DS1ATT0152BP | G 1/2 | 135 | 60 | 125 | 68 | G 1/8 | 33 | 15 | 27 |
| 21IZ1DS1ATT0202BP | G 3/4 | 140 | 60 | 132 | 75 | G 1/8 | 33 | 16 | 32 |
| 21IZ1DS1ATT0252BP | G 1 | 150 | 60 | 136 | 90 | G 1/8 | 33 | 17 | 40 |
| 21IZ1ES1ATT0252BP | G 1 | 172 | 75 | 162 | 90 | G 1/8 | 41 | 17 | 40 |
| 21IZ1FS1ATT0252BP | G 1 | 216 | 106 | 211 | 90 | G 1/8 | 55 | 17 | 40 |
| 21IZ1ES1ATT0322BP | G 1 1/4 | 190 | 75 | 174 | 116 | G 1/8 | 41 | 21 | 50 |
| 21IZ1FS1ATT0322BP | G 1 1/4 | 235 | 106 | 223 | 116 | G 1/8 | 55 | 21 | 50 |
| 21IZ1ES1ATT0402BP | G 1 1/2 | 190 | 75 | 175 | 116 | G 1/8 | 41 | 21 | 56 |
| 21IZ1FS1ATT0402BP | G 1 1/2 | 235 | 106 | 223 | 116 | G 1/8 | 55 | 21 | 56 |
| 21IZ1ES1ATT0502BP | G 2 | 205 | 75 | 183 | 138 | G 1/8 | 41 | 22 | 69 |
| 21IZ1FS1ATT0502BP | G 2 | 250 | 106 | 232 | 138 | G 1/8 | 55 | 22 | 69 |
| 21IZ1GA1ATT0502BP | G 2 | 305 | 170 | 300 | 138 | G 1/8 | 85 | 22 | 69 |
| 21IZ1FS1ATT0652BP | G 2 1/2 | 275 | 106 | 280 | 178 | G 1/8 | 55 | 26 | 85 |
| 21IZ1GA1ATT0652BP | G 2 1/2 | 320 | 170 | 330 | 178 | G 1/8 | 85 | 26 | 85 |
| 21IZ1GA1ATT0802BP | G 3 | 340 | 170 | 355 | 210 | G 1/8 | 85 | 27 | 100 |

DIMENSIONS:

