



# Pneumatically operated angle seat valve 2/2 double acting pressure above seat

**SERIE 21IZ1**  
(BSP Threaded Connection)

## PRESENTATION:

- High flow rate due to optimized body design.
- 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

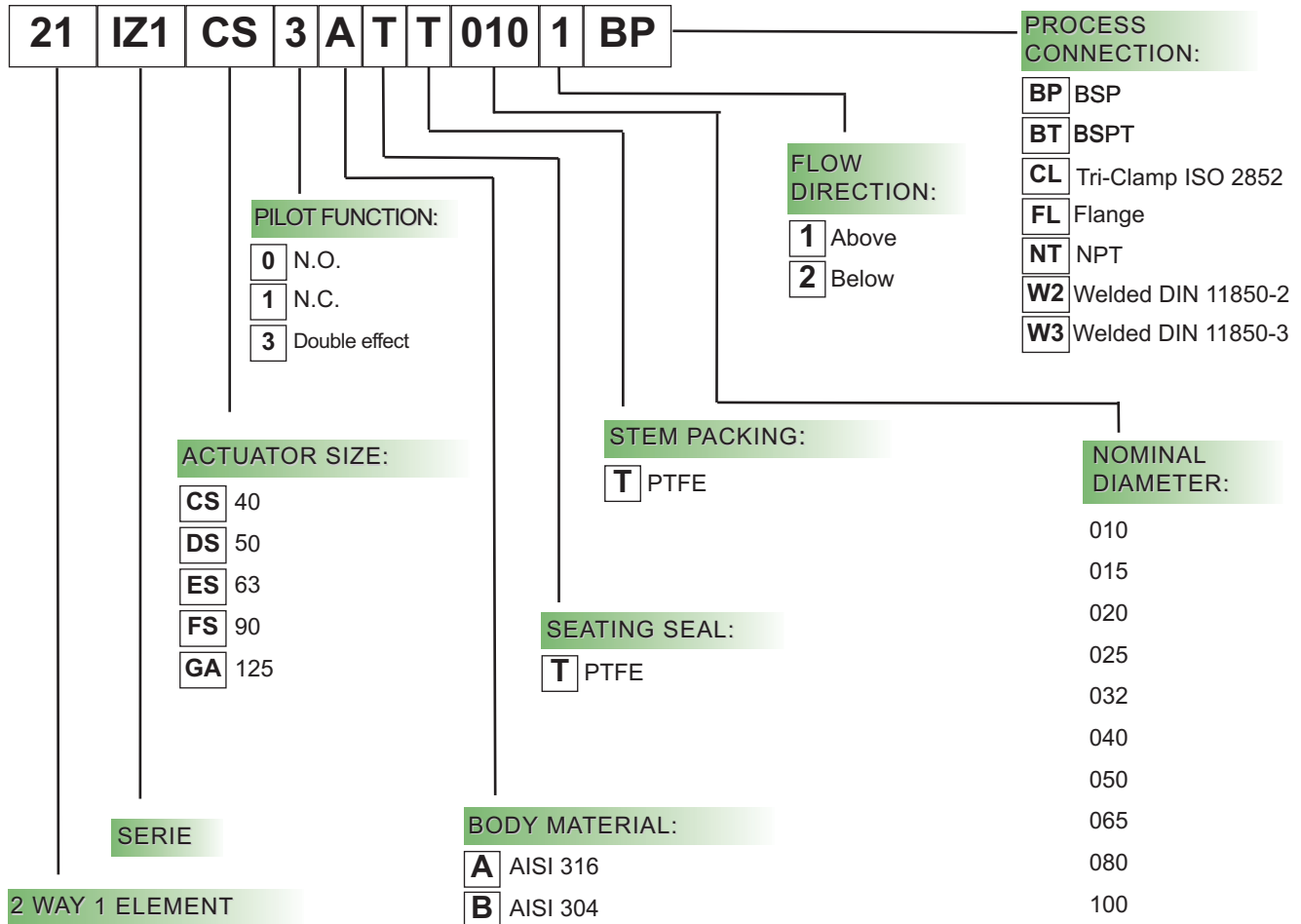
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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

| Pipe<br>ISO 228/1 | Code              | Ø<br>mm | Kv   | Actuator pilot<br>pressure (bar) |     | Differential<br>pressure (bar) |     | Max. allowable<br>pressure |
|-------------------|-------------------|---------|------|----------------------------------|-----|--------------------------------|-----|----------------------------|
|                   |                   |         | l/mn | min                              | max | min                            | max | PS (bar)                   |
| G 3/8             | 21IZ1CS3ATT0101BP | 13      | 48   | 3                                | 4,5 | 0                              | 16  | 16                         |
| G 3/8             | 21IZ1DS3ATT0101BP | 13      | 48   | 3                                | 3,5 | 0                              | 16  | 16                         |
| G 1/2             | 21IZ1CS3ATT0151BP | 13      | 59   | 3                                | 4,5 | 0                              | 16  | 16                         |
| G 1/2             | 21IZ1DS3ATT0151BP | 13      | 59   | 3                                | 3,5 | 0                              | 16  | 16                         |
| G 3/4             | 21IZ1DS3ATT0201BP | 18      | 119  | 3                                | 4   | 0                              | 16  | 16                         |
| G 1               | 21IZ1DS3ATT0251BP | 24      | 227  | 3                                | 4,5 | 0                              | 16  | 16                         |
| G 1               | 21IZ1ES3ATT0251BP | 24      | 227  | 3                                | 3,5 | 0                              | 16  | 16                         |
| G 1               | 21IZ1FS3ATT0251BP | 24      | 227  | 2                                | 2,5 | 0                              | 16  | 16                         |
| G 1 1/4           | 21IZ1ES3ATT0321BP | 31      | 289  | 3                                | 5,5 | 0                              | 16  | 16                         |
| G 1 1/4           | 21IZ1FS3ATT0321BP | 31      | 289  | 2                                | 3,5 | 0                              | 16  | 16                         |
| G 1 1/2           | 21IZ1ES3ATT0401BP | 35      | 412  | 3                                | 6,5 | 0                              | 16  | 16                         |
| G 1 1/2           | 21IZ1FS3ATT0401BP | 35      | 412  | 2                                | 4   | 0                              | 16  | 16                         |
| G 2               | 21IZ1ES3ATT0501BP | 45      | 660  | 3                                | 7   | 0                              | 9   | 16                         |
| G 2               | 21IZ1FS3ATT0501BP | 45      | 660  | 2                                | 4,5 | 0                              | 16  | 16                         |
| G 2               | 21IZ1GA3ATT0501BP | 45      | 660  | 2                                | 6   | 0                              | 16  | 16                         |
| G 2 1/2           | 21IZ1FS3ATT0651BP | 61      | 1033 | 2                                | 6   | 0                              | 16  | 16                         |
| G 2 1/2           | 21IZ1GA3ATT0651BP | 61      | 1033 | 2                                | 4   | 0                              | 16  | 16                         |
| G 3               | 21IZ1GA3ATT0801BP | 80      | 1578 | 2                                | 7   | 0                              | 16  | 16                         |

### ORDERING CODE

**21 IZ1 CS 3 A T T 010 1 BP**





| Type              | Pipe<br>ISO 228/1 | A<br>mm | C<br>mm | K<br>mm | L<br>mm | Q<br>ISO 228/1 | R<br>mm | T<br>mm | SW  |
|-------------------|-------------------|---------|---------|---------|---------|----------------|---------|---------|-----|
| 21IZ1CS3ATT0101BP | G 3/8             | 124     | 50,5    | 112     | 68      | G 1/8          | 27      | 12      | 27  |
| 21IZ1DS3ATT0101BP | G 3/8             | 135     | 60      | 125     | 68      | G 1/8          | 33      | 12      | 27  |
| 21IZ1CS3ATT0151BP | G 1/2             | 124     | 50,5    | 112     | 68      | G 1/8          | 27      | 15      | 27  |
| 21IZ1DS3ATT0151BP | G 1/2             | 135     | 60      | 125     | 68      | G 1/8          | 33      | 15      | 27  |
| 21IZ1DS3ATT0201BP | G 3/4             | 140     | 60      | 132     | 75      | G 1/8          | 33      | 16      | 32  |
| 21IZ1DS3ATT0251BP | G 1               | 150     | 60      | 136     | 90      | G 1/8          | 33      | 17      | 40  |
| 21IZ1ES3ATT0251BP | G 1               | 172     | 75      | 162     | 90      | G 1/8          | 41      | 17      | 40  |
| 21IZ1FS3ATT0251BP | G 1               | 216     | 55      | 211     | 90      | G 1/8          | 55      | 17      | 40  |
| 21IZ1ES3ATT0321BP | G 1 1/4           | 190     | 75      | 174     | 116     | G 1/8          | 41      | 21      | 50  |
| 21IZ1FS3ATT0321BP | G 1 1/4           | 235     | 106     | 223     | 116     | G 1/8          | 55      | 21      | 50  |
| 21IZ1ES3ATT0401BP | G 1 1/2           | 190     | 75      | 175     | 116     | G 1/8          | 41      | 21      | 56  |
| 21IZ1FS3ATT0401BP | G 1 1/2           | 235     | 106     | 223     | 116     | G 1/8          | 55      | 21      | 56  |
| 21IZ1ES3ATT0501BP | G 2               | 205     | 75      | 183     | 138     | G 1/8          | 41      | 22      | 69  |
| 21IZ1FS3ATT0501BP | G 2               | 250     | 106     | 232     | 138     | G 1/8          | 55      | 22      | 69  |
| 21IZ1GA3ATT0501BP | G 2               | 305     | 170     | 300     | 138     | G 1/4          | 85      | 22      | 69  |
| 21IZ1FS3ATT0651BP | G 2 1/2           | 275     | 106     | 280     | 178     | G 1/8          | 55      | 26      | 85  |
| 21IZ1GA3ATT0651BP | G 2 1/2           | 320     | 170     | 330     | 178     | G 1/4          | 85      | 26      | 85  |
| 21IZ1GA3ATT0801BP | G 3               | 340     | 170     | 355     | 210     | G 1/4          | 85      | 27      | 100 |

DIMENSIONS:

