



Pneumatically operated angle seat valve 2/2 double acting pressure below seat

SERIE 21IZ1
(Flanged Connections
ANSI 150)

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: DN15-DN100

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 ÷ ..100..

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

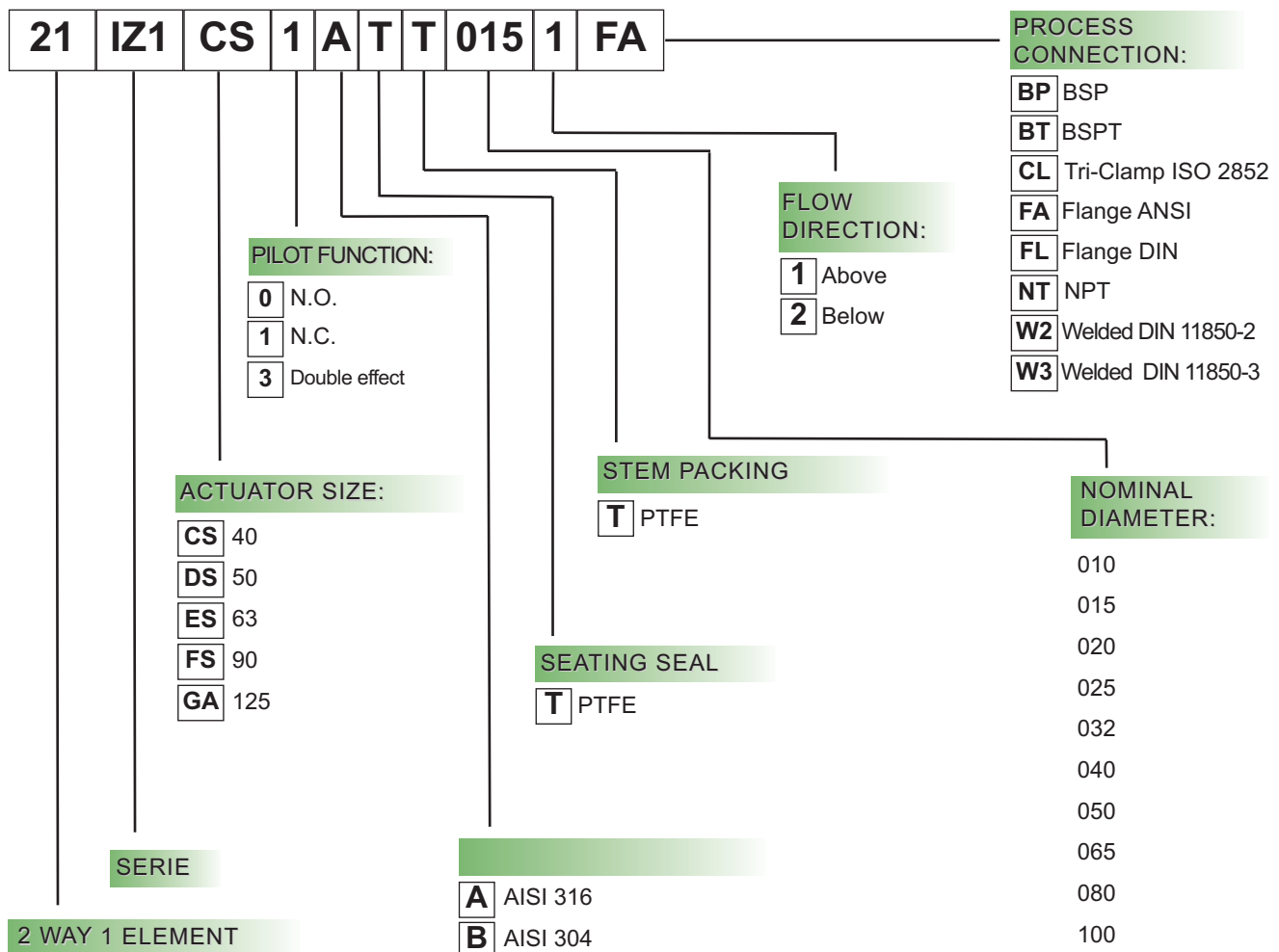
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Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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

| Pipe ANSI | Code | Ø mm | Kv | Actuator pilot pressure (bar) | | Differential pressure (bar) | | Max. allowable pressure | Weight |
|-----------|--------------------|---------|------|-------------------------------|-----|-----------------------------|-----|-------------------------|--------|
| | | | l/mn | min | max | min | max | PS (bar) | Kg |
| DN15 | 21IZ1CS3ATT0152FA | 13 | 59 | 3 | 1 | 0 | 16 | 16 | 2,01 |
| DN15 | 21IZ1DS3ATT0152FA | 13 | 59 | 3 | 1 | 0 | 16 | 16 | 2,36 |
| DN20 | 21IZ1DS3ATT0202FA | 18 | 119 | 3 | 1 | 0 | 16 | 16 | 2,89 |
| DN25 | 21IZ1DS3ATT0252FA | 24 | 226 | 3 | 6 | 0 | 13 | 16 | 3,45 |
| DN25 | 21IZ1ES3ATT0252FA | 24 | 226 | 3 | 4 | 0 | 16 | 16 | 5,5 |
| DN32 | 21IZ1ES3ATT0322FA | 31 | 289 | 3 | 6 | 0 | 16 | 16 | 5,7 |
| DN32 | 21IZ1FS3ATT0322FA | 31 | 289 | 2 | 4 | 0 | 16 | 16 | 8,20 |
| DN40 | 21IZ1ES3ATT0402FA | 35 | 411 | 3 | 7 | 0 | 16 | 16 | 6,5 |
| DN40 | 21IZ1FS3ATT0402FA | 35 | 411 | 2 | 5 | 0 | 16 | 16 | 9 |
| DN50 | 21IZ1ES3ATT0502FA | 45 | 660 | 3 | 7,5 | 0 | 8 | 16 | 8 |
| DN50 | 21IZ1FS3ATT0502FA | 45 | 660 | 2 | 6 | 0 | 16 | 16 | 9,71 |
| DN50 | 21IZ1GA3ATT0502FA | 45 | 660 | 2 | 4 | 0 | 16 | 16 | 13 |
| DN65SQC | 21IZ1FS3ATT0652FA | 61 | 1033 | 2 | 7 | 0 | 11 | 16 | 13,10 |
| DN65SQC | 21IZ1GA3ATT0652FA | 61 | 1033 | 2 | 5,5 | 0 | 16 | 16 | 14,7 |
| DN80SQC | 21IZ1GA3ATT0802FA | 10 | 1588 | 2 | 6,5 | 0 | 16 | 16 | 21,59 |
| DN100SQC | 21IZ1GA3BTT01002FA | 90 | 1788 | 4 | 5 | 0 | 12 | 16 | 25 |

ORDERING CODE





| Type | Pipe ANSI | A mm | B mm | C mm | Ø E mm | H mm | L mm | Ø M mm | Ø N mm | N-Ø F mm | Ø P mm | Q ISO 228/1 | α |
|--------------------|-----------|------|------|------|--------|------|------|--------|--------|----------|--------|-------------|-------|
| 21IZ1CS3ATT0152FA | DN15 | 135 | 125 | 1,5 | 60,5 | 14 | 130 | 16 | 35 | 4-15,8 | 90 | G 1/8 | 45° |
| 21IZ1DS3ATT0152FA | DN15 | 145 | 140 | 1,5 | 60,5 | 14 | 130 | 16 | 35 | 4-15,8 | 90 | G 1/8 | 45° |
| 21IZ1DS3ATT0202FA | DN20 | 165 | 140 | 1,5 | 69,85 | 14,5 | 150 | 19 | 43 | 4-15,8 | 98,5 | G 1/8 | 45° |
| 21IZ1DS3ATT0252FA | DN25 | 170 | 145 | 1,5 | 79,25 | 16 | 160 | 26 | 50,8 | 4-15,8 | 110 | G 1/8 | 45° |
| 21IZ1ES3ATT0252FA | DN25 | 190 | 175 | 1,5 | 79,25 | 16 | 160 | 26 | 50,8 | 4-15,8 | 110 | G 1/8 | 45° |
| 21IZ1ES3ATT0322FA | DN32 | 190 | 188 | 1,5 | 88,9 | 17,5 | 180 | 31 | 63,5 | 4-15,8 | 117 | G 1/8 | 45° |
| 21IZ1FS3ATT0322FA | DN32 | 230 | 235 | 1,5 | 88,9 | 17,5 | 180 | 31 | 63,5 | 4-15,8 | 117 | G 1/8 | 45° |
| 21IZ1ES3ATT0402FA | DN40 | 206 | 190 | 1,5 | 98,55 | 19,5 | 200 | 38 | 73 | 4-15,8 | 127 | G 1/8 | 45° |
| 21IZ1FS3ATT0402FA | DN40 | 244 | 235 | 1,5 | 98,55 | 19,5 | 200 | 38 | 73 | 4-15,8 | 127 | G 1/8 | 45° |
| 21IZ1ES3ATT0502FA | DN50 | 235 | 195 | 1,5 | 120,65 | 20,5 | 230 | 49 | 92 | 4-19 | 150 | G 1/8 | 45° |
| 21IZ1FS3ATT0502FA | DN50 | 277 | 245 | 1,5 | 120,65 | 20,5 | 230 | 49 | 92 | 4-19 | 150 | G 1/8 | 45° |
| 21IZ1GA3ATT0502FA | DN50 | 330 | 310 | 1,5 | 120,65 | 20,5 | 230 | 49 | 92 | 4-19 | 150 | G 1/4 | 45° |
| 21IZ1FS3ATT0652FA | DN65SQC | 330 | 280 | 1,5 | 139,7 | 24 | 290 | 66 | 105 | 4-19 | 178 | G 1/8 | 45° |
| 21IZ1GA3ATT0652FA | DN65SQC | 375 | 330 | 1,5 | 139,7 | 24 | 290 | 66 | 105 | 4-19 | 178 | G 1/4 | 45° |
| 21IZ1GA3ATT0802FA | DN80SQC | 380 | 355 | 1,5 | 152,4 | 25,5 | 310 | 78 | 127 | 4-19 | 190,5 | G 1/4 | 45° |
| 21IZ1GA3BTT01002FA | DN100SQC | 420 | 395 | 1,5 | 190,5 | 25,5 | 350 | 96 | 157 | 8-19 | 229 | G 1/4 | 22,5° |

DIMENSIONS:

