



# Pneumatically operated angle seat valve 2/2 N.C. pressure above seat

**SERIE 21IZ1**  
(NPT 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 ANSI/ASME Bl.20.1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
3/8 NPT	21IZ1CS1ATT0101NT	13	48	3	4,5	0	16	16
3/8 NPT	21IZ1DS1ATT0101NT	13	48	3	3,5	0	16	16
1/2 NPT	21IZ1CS1ATT0151NT	13	59	3	4,5	0	16	16
1/2 NPT	21IZ1DS1ATT0151NT	13	59	3	3,5	0	16	16
3/4 NPT	21IZ1DS1ATT0201NT	18	119	3	4	0	16	16
1 NPT	21IZ1DS1ATT0251NT	24	226	3	4,5	0	16	16
1 NPT	21IZ1ES1ATT0251NT	24	226	3	3,5	0	16	16
1 NPT	21IZ1FS1ATT0251NT	24	226	2	2,5	0	16	16
1 1/4 NPT	21IZ1ES1ATT0321NT	31	289	3	5,5	0	16	16
1 1/4 NPT	21IZ1FS1ATT0401NT	31	289	2	3,5	0	16	16
1 1/2 NPT	21IZ1ES1ATT0401NT	35	411	3	6,5	0	16	16
1 1/2 NPT	21IZ1FS1ATT0401NT	35	411	2	4	0	16	16
2 NPT	21IZ1ES1ATT0501NT	45	660	3	7	0	9	16
2 NPT	21IZ1FS1ATT0501NT	45	660	2	4,5	0	16	16
2 NPT	21IZ1GA1ATT0501NT	45	660	2	3	0	16	16
2 1/2 NPT	21IZ1FS1ATT0651NT	61	1033	2	6	0	10	16
2 1/2 NPT	21IZ1GA1ATT0651NT	61	1033	2	4	0	16	16
3 NPT	21IZ1GA1ATT0801NT	80	1588	2	7	0	12	16

### ORDERING CODE

**21 IZ1 CS 1 A T T 010 1 NT**

#### PROCESS CONNECTION:

- BP** BSP
- BT** BSPT
- CL** Tri-Clamp ISO 2852
- FL** Flange
- NT** NPT
- W2** Welded DIN 11850-2
- W3** Welded DIN 11850-3

#### FLOW DIRECTION:

- 1** Above
- 2** Below

#### PILOT FUNCTION:

- 0** N.O.
- 1** N.C.
- 3** Double effect

#### ACTUATOR SIZE:

- CS** 40
- DS** 50
- ES** 63
- FS** 90
- GA** 125

#### STEM PACKING

**T** PTFE

#### SEATING SEAL

**T** PTFE

#### NOMINAL DIAMETER:

- 010
- 015
- 020
- 025
- 032
- 040
- 050
- 065
- 080
- 100

#### SERIE

**2 WAY 1 ELEMENT**

#### BODY MATERIAL:

- A** AISI 316
- B** AISI 304



Type	Pipe ANSI/ASME Bl.20.1	A mm	C mm	K mm	L mm	Q ANSI/ASME Bl.20.1	R mm	T mm	SW
21IZ1CS1ATT0101NT	3/8 NPT	124	50,5	112	68	1/8 NPT	27	12	27
21IZ1DS1ATT0101NT	3/8 NPT	135	60	125	68	1/8 NPT	33	12	27
21IZ1CS1ATT0151NT	1/2 NPT	124	50,5	112	68	1/8 NPT	27	15	27
21IZ1DS1ATT0151NT	1/2 NPT	135	60	125	68	1/8 NPT	33	15	27
21IZ1DS1ATT0201NT	3/4 NPT	140	60	132	75	1/8 NPT	33	16	32
21IZ1DS1ATT0251NT	1 NPT	150	60	136	90	1/8 NPT	33	17	40
21IZ1ES1ATT0251NT	1 NPT	172	75	162	90	1/8 NPT	41	17	40
21IZ1FS1ATT0251NT	1 NPT	216	106	211	90	1/8 NPT	55	17	40
21IZ1ES1ATT0321NT	1 1/4 NPT	190	75	174	116	1/8 NPT	41	21	50
21IZ1FS1ATT0401NT	1 1/4 NPT	235	106	223	116	1/8 NPT	55	21	50
21IZ1ES1ATT0401NT	1 1/2 NPT	190	75	175	116	1/8 NPT	41	21	56
21IZ1FS1ATT0401NT	1 1/2 NPT	235	106	223	116	1/8 NPT	55	21	56
21IZ1ES1ATT0501NT	2 NPT	205	75	183	138	1/8 NPT	41	22	69
21IZ1FS1ATT0501NT	2 NPT	250	106	232	138	1/8 NPT	55	22	69
21IZ1GA1ATT0501NT	2 NPT	305	170	300	138	1/4 NPT	85	22	69
21IZ1FS1ATT0651NT	2 1/2 NPT	275	106	280	178	1/8 NPT	55	26	85
21IZ1GA1ATT0651NT	2 1/2 NPT	320	170	330	178	1/4 NPT	85	26	85
21IZ1GA1ATT0801NT	3 NPT	340	170	355	210	1/4 NPT	85	27	100

DIMENSIONS:

