



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

SERIE 21IZ1
(NPT 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 ANSI/ASME Bl.20.1	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure PS (bar)
			l/mn	min	max	min	max	
3/8 NPT	21IZ1CS1ATT0102NT	13	48	3	10	0	13	16
3/8 NPT	21IZ1DS1ATT0102NT	13	48	4,5	10	0	14	16
1/2 NPT	21IZ1CS1ATT0152NT	13	59	4	10	0	13	16
1/2 NPT	21IZ1DS1ATT0152NT	13	59	4,5	10	0	14	16
3/4 NPT	21IZ1DS1ATT0202NT	18	119	4,5	10	0	14	16
1 NPT	21IZ1DS1ATT0252NT	24	226	4,5	10	0	8	16
1 NPT	21IZ1ES1ATT0252NT	24	226	5	10	0	13	16
1 NPT	21IZ1FS1ATT0252NT	24	226	3,5	10	0	14	16
1 1/4 NPT	21IZ1ES1ATT0322NT	31	289	5	10	0	6	16
1 1/4 NPT	21IZ1FS1ATT0322NT	31	289	6	10	0	16	16
1 1/2 NPT	21IZ1ES1ATT0402NT	35	411	5	10	0	5	16
1 1/2 NPT	21IZ1FS1ATT0402NT	35	411	6	10	0	16	16
2 NPT	21IZ1ES1ATT0502NT	45	660	5	10	0	3	16
2 NPT	21IZ1FS1ATT0502NT	45	660	6	10	0	10	16
2 NPT	21IZ1GA1ATT0502NT	45	660	6,5	10	0	16	16
2 1/2 NPT	21IZ1FS1ATT0652NT	61	1033	6	10	0	6	16
2 1/2 NPT	21IZ1GA1ATT0652NT	61	1033	5,5	10	0	9	16
3 NPT	21IZ1GA1ATT0802NT	80	1588	5,5	10	0	5	16

ORDERING CODE

21 IZ1 CS 1 A T T 010 2 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
21IZ1CS1ATT0102NT	3/8 NPT	124	50,5	112	68	1/8 NPT	27	12	27
21IZ1DS1ATT0102NT	3/8 NPT	135	60	125	68	1/8 NPT	33	12	27
21IZ1CS1ATT0152NT	1/2 NPT	124	50,5	112	68	1/8 NPT	27	15	27
21IZ1DS1ATT0152NT	1/2 NPT	135	60	125	68	1/8 NPT	33	15	27
21IZ1DS1ATT0202NT	3/4 NPT	140	60	132	75	1/8 NPT	33	16	32
21IZ1DS1ATT0252NT	1 NPT	150	60	136	90	1/8 NPT	33	17	40
21IZ1ES1ATT0252NT	1 NPT	172	75	162	90	1/8 NPT	41	17	40
21IZ1FS1ATT0252NT	1 NPT	216	106	211	90	1/8 NPT	55	17	40
21IZ1ES1ATT0322NT	1 1/4 NPT	190	75	174	116	1/8 NPT	41	21	50
21IZ1FS1ATT0322NT	1 1/4 NPT	235	106	223	116	1/8 NPT	55	21	50
21IZ1ES1ATT0402NT	1 1/2 NPT	190	75	175	116	1/8 NPT	41	21	56
21IZ1FS1ATT0402NT	1 1/2 NPT	235	106	223	116	1/8 NPT	55	21	56
21IZ1ES1ATT0502NT	2 NPT	205	75	183	138	1/8 NPT	41	22	69
21IZ1FS1ATT0502NT	2 NPT	250	106	232	138	1/8 NPT	55	22	69
21IZ1GA1ATT0502NT	2 NPT	305	170	300	138	1/4 NPT	85	22	69
21IZ1FS1ATT0652NT	2 1/2 NPT	275	106	280	178	1/8 NPT	55	26	85
21IZ1GA1ATT0652NT	2 1/2 NPT	320	170	330	178	1/4 NPT	85	26	85
21IZ1GA1ATT0802NT	3 NPT	340	170	355	210	1/4 NPT	85	27	100

DIMENSIONS:

