



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

SERIE 21IZ1
(Tri- Clamp 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: DN15-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.e. air) or for liquids or fluids Group 1 and 2
(i.e. 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 2852	Code	Ø mm	Kv	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure
			l/mn	min	max	min	max	PS (bar)
DN15	21IZ1CS1ATT0152CL	13	59	4	10	0	13	16
DN15	21IZ1DS1ATT0152CL	13	59	4,5	10	0	14	16
DN20	21IZ1DS1ATT0202CL	18	119	4,5	10	0	14	16
DN25	21IZ1DS1ATT0252CL	24	226	4,5	10	0	8	16
DN25	21IZ1ES1ATT0252CL	24	226	5	10	0	13	16
DN32	21IZ1ES1ATT0322CL	31	289	5	10	0	6	16
DN32	21IZ1FS1ATT0322CL	31	289	6	10	0	16	16
DN40	21IZ1ES1ATT0402CL	35	411	5	10	0	5	16
DN40	21IZ1FS1ATT0402CL	35	411	6	10	0	16	16
DN50	21IZ1ES1ATT0502CL	45	660	5	10	0	3	16
DN50	21IZ1FS1ATT0502CL	45	660	6	10	0	10	16
DN50	21IZ1GA1ATT0502CL	45	660	6,5	10	0	16	16
DN65 SQC	21IZ1FS1ATT0652CL	61	1033	6	10	0	6	16
DN65 SQC	21IZ1GA1ATT0652CL	61	1033	5,5	10	0	9	16
DN80 SQC	21IZ1GA1ATT0802CL	80	1588	5,5	10	0	5	16

ORDERING CODE

21 IZ1 CS 1 A T T 015 2 CL

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



SERIE 21IZ1

Type	Pipe ISO 2852	A mm	B mm	C mm	Ø d mm	Ø D mm	K mm	L mm	Q ISO 228/1
21IZ1CS1ATT0152CL	DN15	130	27,5	19	15	34	115	80	G 1/8
21IZ1DS1ATT0152CL	DN15	140	27,5	19	15	34	126	80	G 1/8
21IZ1DS1ATT0202CL	DN20	148	43,5	25	21	50,5	126	102	G 1/8
21IZ1DS1ATT0252CL	DN25	165	43,5	32	27	50,5	140	130	G 1/8
21IZ1ES1ATT0252CL	DN25	188	43,5	32	27	50,5	166	130	G 1/8
21IZ1ES1ATT0322CL	DN32	200	43,5	37	31	50,5	174	146	G 1/8
21IZ1FS1ATT0322CL	DN32	245	43,5	37	31	50,5	223	146	G 1/8
21IZ1ES1ATT0402CL	DN40	210	56,5	40	33	64	175	160	G 1/8
21IZ1FS1ATT0402CL	DN40	254	56,5	40	33	64	222	160	G 1/8
21IZ1ES1ATT0502CL	DN50	221	56,5	53	45	64	185	175	G 1/8
21IZ1FS1ATT0502CL	DN50	265	56,5	53	45	64	235	175	G 1/8
21IZ1GA1ATT0502CL	DN50	325	56,5	53	45	64	296	175	G 1/4
21IZ1FS1ATT0652CL	DN65 SQC	320	83,5	75	66	91	280	278	G 1/8
21IZ1GA1ATT0652CL	DN65 SQC	360	83,5	75	66	91	330	278	G 1/4
21IZ1GA1ATT0802CL	DN80 SQC	360	97	89	78	106	352	290	G 1/4

DIMENSIONS:

