



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

SERIE 21IZ1
(Welding Ends DIN 11850-2)

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.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 DIN 11850-2	Code	Ø mm	Kv l/mn	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure PS (bar)
				min	max	min	max	
DN15	21IZ1CS1ATT0152W2	13	59	4	10	0	13	16
DN15	21IZ1DS1ATT0152W2	13	59	4,5	10	0	14	16
DN20	21IZ1DS1ATT0202W2	18	119	4,5	10	0	14	16
DN25	21IZ1DS1ATT0252W2	24	226	4,5	10	0	8	16
DN25	21IZ1ES1ATT0252W2	24	226	5	10	0	13	16
DN25	21IZ1FS1ATT0252W2	24	226	3,5	10	0	14	16
DN32	21IZ1ES1ATT0322W2	31	289	5	10	0	6	16
DN32	21IZ1FS1ATT0322W2	31	289	6	10	0	16	16
DN40	21IZ1ES1ATT0402W2	35	411	5	10	0	5	16
DN40	21IZ1FS1ATT0402W2	35	411	6	10	0	16	16
DN50	21IZ1ES1ATT0502W2	45	660	5	10	0	3	16
DN50	21IZ1FS1ATT0502W2	45	660	6	10	0	10	16
DN50	21IZ1GA1ATT0502W2	45	660	6,5	10	0	16	16
DN65 SQC	21IZ1FS1ATT0652W2	61	1033	6	10	0	6	16
DN65 SQC	21IZ1GA1ATT0652W2	61	1033	5,5	10	0	9	16
DN80 SQC	21IZ1GA1ATT0802W2	80	1588	5,5	10	0	5	16

ORDERING CODE

21 IZ1 CS 1 A T T 015 2 W2

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 DIN 11850-2	C mm	D mm	HA mm	HL mm	K mm	Q ISO 228/1	R mm	S mm
21IZ1CS1ATT0152W2	DN15	50,5	19	118	70	112	G 1/8	27	1,5
21IZ1DS1ATT0152W2	DN15	60	19	128	70	125	G 1/8	33	1,5
21IZ1DS1ATT0202W2	DN20	60	23	135	82	132	G 1/8	33	1,5
21IZ1DS1ATT0252W2	DN25	60	29	150	100	136	G 1/8	33	1,5
21IZ1ES1ATT0252W2	DN25	75	29	175	100	162	G 1/8	41	1,5
21IZ1FS1ATT0252W2	DN25	106	29	218	100	211	G 1/8	55	1,5
21IZ1ES1ATT0322W2	DN32	75	35	186	125	174	G 1/8	41	1,5
21IZ1FS1ATT0322W2	DN32	106	35	232	125	223	G 1/8	55	1,5
21IZ1ES1ATT0402W2	DN40	75	41	190	130	175	G 1/8	41	1,5
21IZ1FS1ATT0402W2	DN40	106	41	235	130	223	G 1/8	55	1,5
21IZ1ES1ATT0502W2	DN50	75	53	206	155	183	G 1/8	41	1,5
21IZ1FS1ATT0502W2	DN50	106	53	250	155	232	G 1/8	55	1,5
21IZ1GA1ATT0502W2	DN50	170	53	307	155	300	G 1/4	85	1,5
21IZ1FS1ATT0652W2	DN65 SQC	106	70	320	270	280	G 1/8	55	2
21IZ1GA1ATT0652W2	DN65 SQC	170	70	360	270	330	G 1/4	85	2
21IZ1GA1ATT0802W2	DN80 SQC	170	85	360	284	355	G 1/4	85	2

DIMENSIONS:

