



# Pneumatically operated angle seat valve 2/2 double acting 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

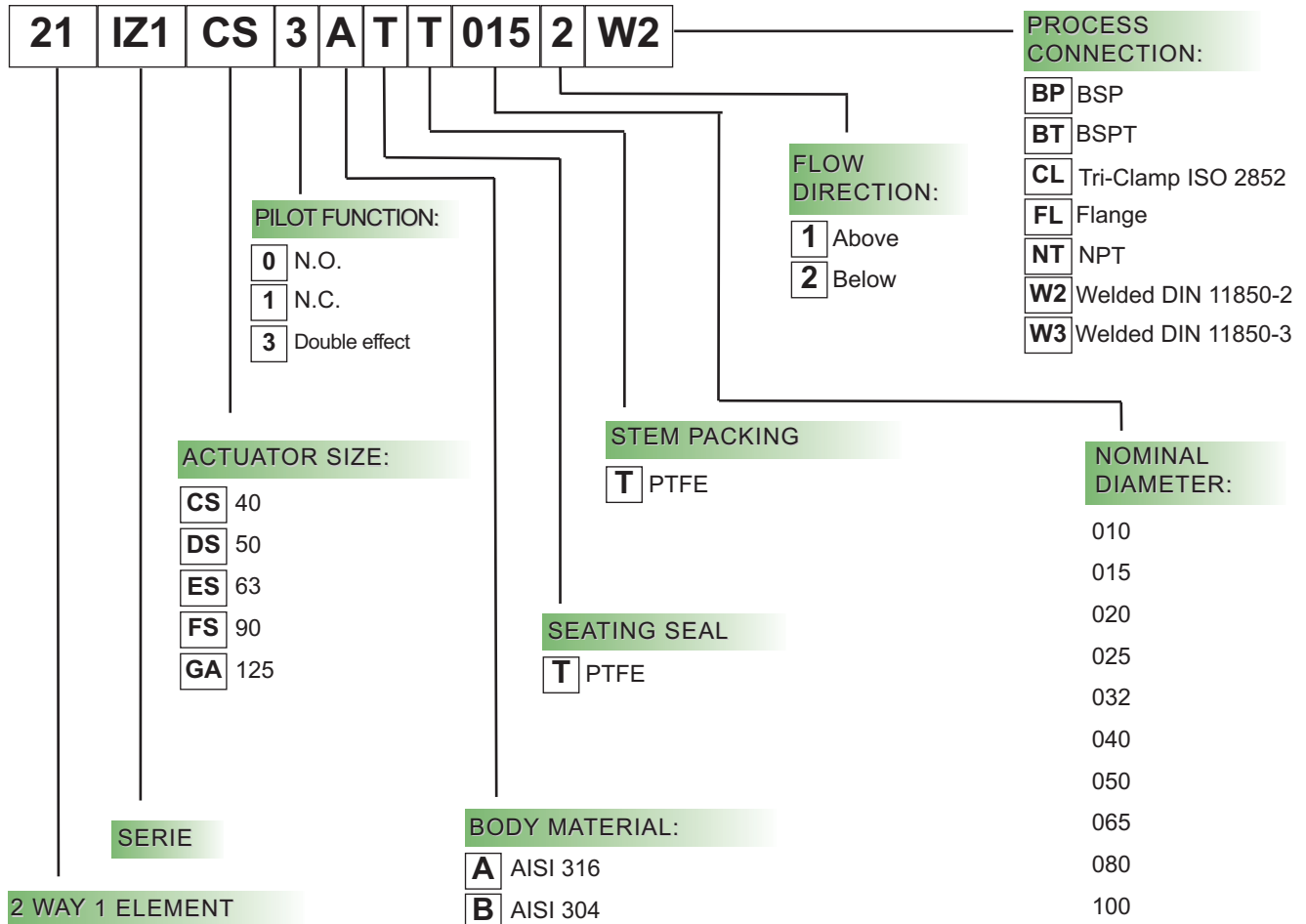
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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	21IZ1CS3ATT0152W2	13	59	3	10	0	16	16
DN15	21IZ1DS3ATT0152W2	13	59	3	10	0	16	16
DN20	21IZ1DS3ATT0202W2	18	119	3	10	0	16	16
DN25	21IZ1DS3ATT0252W2	24	226	3	6	0	13	16
DN25	21IZ1ES3ATT0252W2	24	226	3	4	0	16	16
DN25	21IZ1FS3ATT0252W2	24	226	2	3	0	16	16
DN32	21IZ1ES3ATT0322W2	31	289	3	6	0	16	16
DN32	21IZ1FS3ATT0322W2	31	289	2	4	0	16	16
DN40	21IZ1ES3ATT0402W2	35	411	3	7	0	16	16
DN40	21IZ1FS3ATT0402W2	35	411	2	5	0	16	16
DN50	21IZ1ES3ATT0502W2	45	660	3	7,5	0	8	16
DN50	21IZ1FS3ATT0502W2	45	660	2	6	0	16	16
DN50	21IZ1GA3ATT0502W2	45	660	2	4	0	16	16
DN65 SQC	21IZ1FS3ATT0652W2	61	1033	2	7	0	11	16
DN65 SQC	21IZ1GA3ATT0652W2	61	1033	2	5,5	0	16	16
DN80 SQC	21IZ1GA3ATT0802W2	80	1588	2	6,5	0	16	16

### ORDERING CODE

**21 IZ1 CS 3 A T T 015 2 W2**





Type	Pipe DIN 11850-2	C mm	D mm	HA mm	HL mm	K mm	Q ISO 228/1	R mm	S mm
21IZ1CS3ATT0152W2	DN15	50,5	19	118	70	112	G 1/8	27	1,5
21IZ1DS3ATT0152W2	DN15	60	19	128	70	125	G 1/8	33	1,5
21IZ1DS3ATT0202W2	DN20	60	23	135	82	132	G 1/8	33	1,5
21IZ1DS3ATT0252W2	DN25	60	29	150	100	136	G 1/8	33	1,5
21IZ1ES3ATT0252W2	DN25	75	29	175	100	162	G 1/8	41	1,5
21IZ1FS3ATT0252W2	DN25	106	29	218	100	211	G 1/8	55	1,5
21IZ1ES3ATT0322W2	DN32	75	35	186	125	174	G 1/8	41	1,5
21IZ1FS3ATT0322W2	DN32	106	35	232	125	223	G 1/8	55	1,5
21IZ1ES3ATT0402W2	DN40	75	41	190	130	175	G 1/8	41	1,5
21IZ1FS3ATT0402W2	DN40	106	41	235	130	223	G 1/8	55	1,5
21IZ1ES3ATT0502W2	DN50	75	53	206	155	183	G 1/8	41	1,5
21IZ1FS3ATT0502W2	DN50	106	53	250	155	232	G 1/8	55	1,5
21IZ1GA3ATT0502W2	DN50	170	53	307	155	300	G 1/4	85	1,5
21IZ1FS3ATT0652W2	DN65 SQC	106	70	320	270	280	G 1/8	55	2
21IZ1GA3ATT0652W2	DN65 SQC	170	70	360	270	330	G 1/4	85	2
21IZ1GA3ATT0802W2	DN80 SQC	170	85	360	284	355	G 1/4	85	2

DIMENSIONS:

