



# Pneumatically operated angle seat valve 2/2 double acting pressure below seat

**SERIE 21IZ1**  
(BSP 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

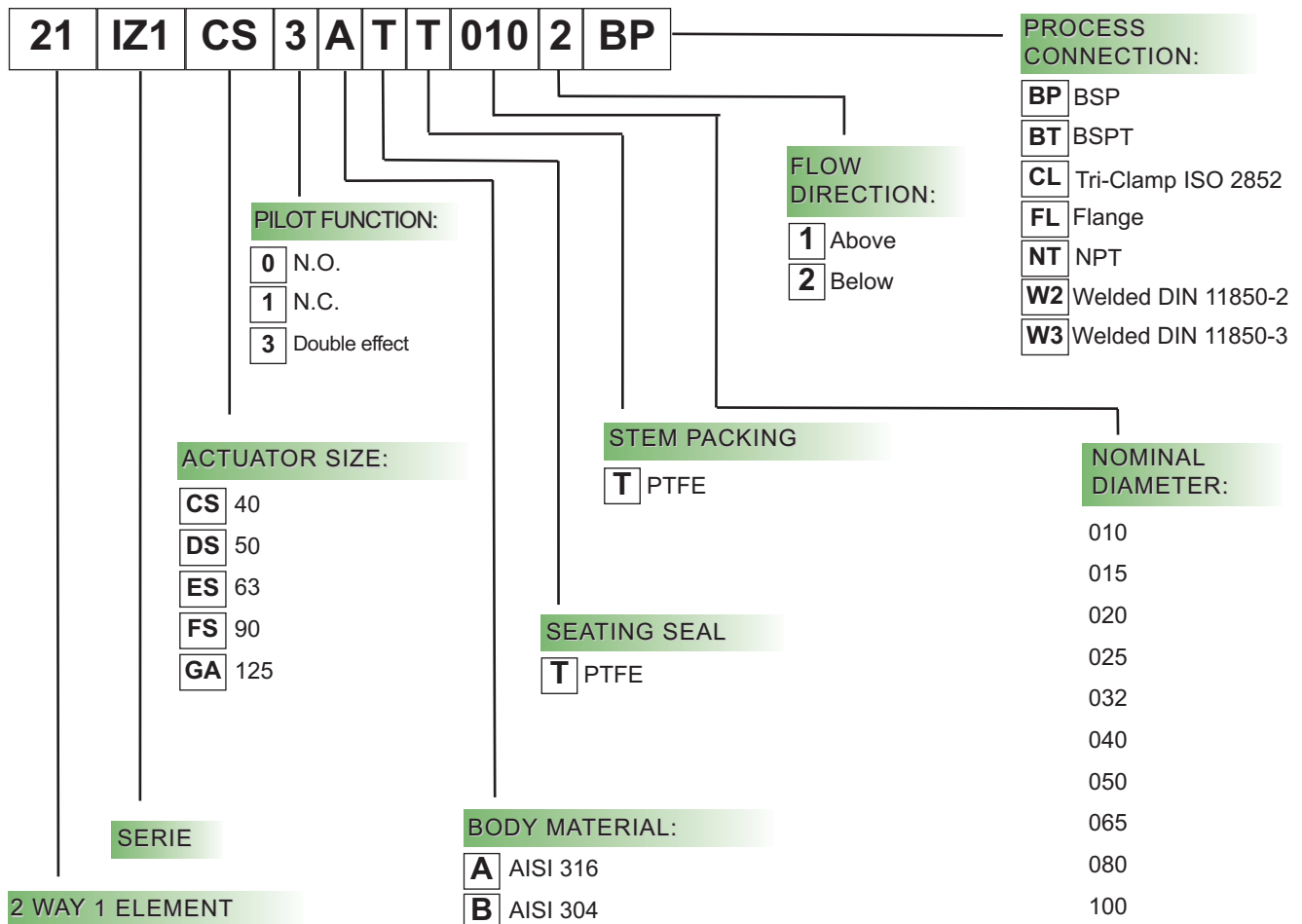
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

The "ODE " reserves the right to carry out technical and aesthetic modifications without prior notice.

Pipe ISO 228/1	Code	Ø mm	Kv l/mn	Actuator pilot pressure (bar)		Differential pressure (bar)		Max. allowable pressure PS (bar)
				min	max	min	max	
G 3/8	21IZ1CS3ATT0102BP	13	48	>=3		0	16	16
G 3/8	21IZ1DS3ATT0102BP	13	48	>=3		0	16	16
G 1/2	21IZ1CS3ATT0152BP	13	59	>=3		0	16	16
G 1/2	21IZ1DS3ATT0152BP	13	59	>=3		0	16	16
G 3/4	21IZ1DS3ATT0202BP	18	119	>=3		0	16	16
G 1	21IZ1DS3ATT0252BP	24	226	3	6	0	13	16
G 1	21IZ1ES3ATT0252BP	24	226	3	4	0	16	16
G 1	21IZ1FS3ATT0252BP	24	226	2	3	0	16	16
G 1 1/4	21IZ1ES3ATT0322BP	31	289	3	6	0	16	16
G 1 1/4	21IZ1FS3ATT0322BP	31	289	2	4	0	16	16
G 1 1/2	21IZ1ES3ATT0402BP	35	411	3	7	0	16	16
G 1 1/2	21IZ1FS3ATT0402BP	35	411	2	5	0	16	16
G 2	21IZ1ES3ATT0502BP	45	660	3	7,5	0	8	16
G 2	21IZ1FS3ATT0502BP	45	660	2	6	0	16	16
G 2	21IZ1GA3ATT0502BP	45	660	2	4	0	16	16
G 2 1/2	21IZ1FS3ATT0652BP	61	1033	2	7	0	11	16
G 2 1/2	21IZ1GA3ATT0652BP	61	1033	2	5,5	0	16	16
G 3	21IZ1GA3ATT0802BP	80	1588	2	6,5	0	16	16

### ORDERING CODE

**21 IZ1 CS 3 A T T 010 2 BP**





Type	Pipe ISO 228/1	A mm	C mm	K mm	L mm	Q ISO 228/1	R mm	T mm	SW
21IZ1CS3ATT0102BP	G 3/8	124	50,5	112	68	G 1/8	27	12	27
21IZ1DS3ATT0102BP	G 3/8	135	60	1225	68	G 1/8	33	12	27
21IZ1CS3ATT0152BP	G 1/2	124	50,5	112	68	G 1/8	27	15	27
21IZ1DS3ATT0152BP	G 1/2	135	60	125	68	G 1/8	33	15	27
21IZ1DS3ATT0202BP	G 3/4	140	60	132	75	G 1/8	33	16	32
21IZ1DS3ATT0252BP	G 1	150	60	136	90	G 1/8	33	17	40
21IZ1ES3ATT0252BP	G 1	172	75	162	90	G 1/8	41	17	40
21IZ1FS3ATT0252BP	G 1	216	106	211	90	G 1/8	55	17	40
21IZ1ES3ATT0322BP	G 1 1/4	190	75	174	116	G 1/8	41	21	50
21IZ1FS3ATT0322BP	G 1 1/4	235	106	223	116	G 1/8	55	21	50
21IZ1ES3ATT0402BP	G 1 1/2	190	75	175	116	G 1/8	41	21	56
21IZ1FS3ATT0402BP	G 1 1/2	235	106	223	116	G 1/8	55	21	56
21IZ1ES3ATT0502BP	G 2	205	75	183	138	G 1/8	41	22	69
21IZ1FS3ATT0502BP	G 2	250	106	232	138	G 1/8	55	22	69
21IZ1GA3ATT0502BP	G 2	305	170	300	138	G 1/4	85	22	69
21IZ1FS3ATT0652BP	G 2 1/2	275	106	280	178	G 1/8	55	26	85
21IZ1GA3ATT0652BP	G 2 1/2	320	170	330	178	G 1/4	85	26	85
21IZ1GA3ATT0802BP	G 3	340	170	355	210	G 1/4	85	27	80

DIMENSIONS:

