



## Aseptic diaphragm valve manually operated 2/2

**SERIE 21DZ2**  
(Welding Connection)

### PRESENTATION:

Aseptic diaphragm valve with manual operation, ideal for use in critical applications such as those in the chemical, pharmaceutical, food & beverage sectors.

Main features:

- Corrosion-resistant AISI 316L body with surface finishing  $Ra \leq 0.4 \mu m$  (option: electropolishing)
- Specific body design to ensure total separation between medium and actuation
- Diaphragm compliant with EC Regulation 1935/2004, FDA 21CFR 177.1550, USP40
- Bidirectional use thanks to the symmetrical body design
- Self-draining body design
- Compatible with CIP / SIP processes
- ATEX versions on request

**USE:** Liquids, gases, steam (neutral, aggressive)

**NOMINAL SIZE:** DN8-DN50



### VALVE FEATURES:

Fluid Temperature	- 10°C + 150°C
Ambient temperature	- 10°C + 80°C
Max. allowable pressure (PS)	16 bar
Diaphragm leakage class	class A (EN 12266-1)
Body	AISI 316L ( $Ra \leq 0,4\mu m$ )
Diaphragm	PTFE+EPDM (PTFE in contact with the fluid)
Handwheel	Nylon



**CE Approval**

(Pressure Equipment Directive 2014/68/EU )  
for Valve 21DZ2..032 ÷ ..050..

### Nota

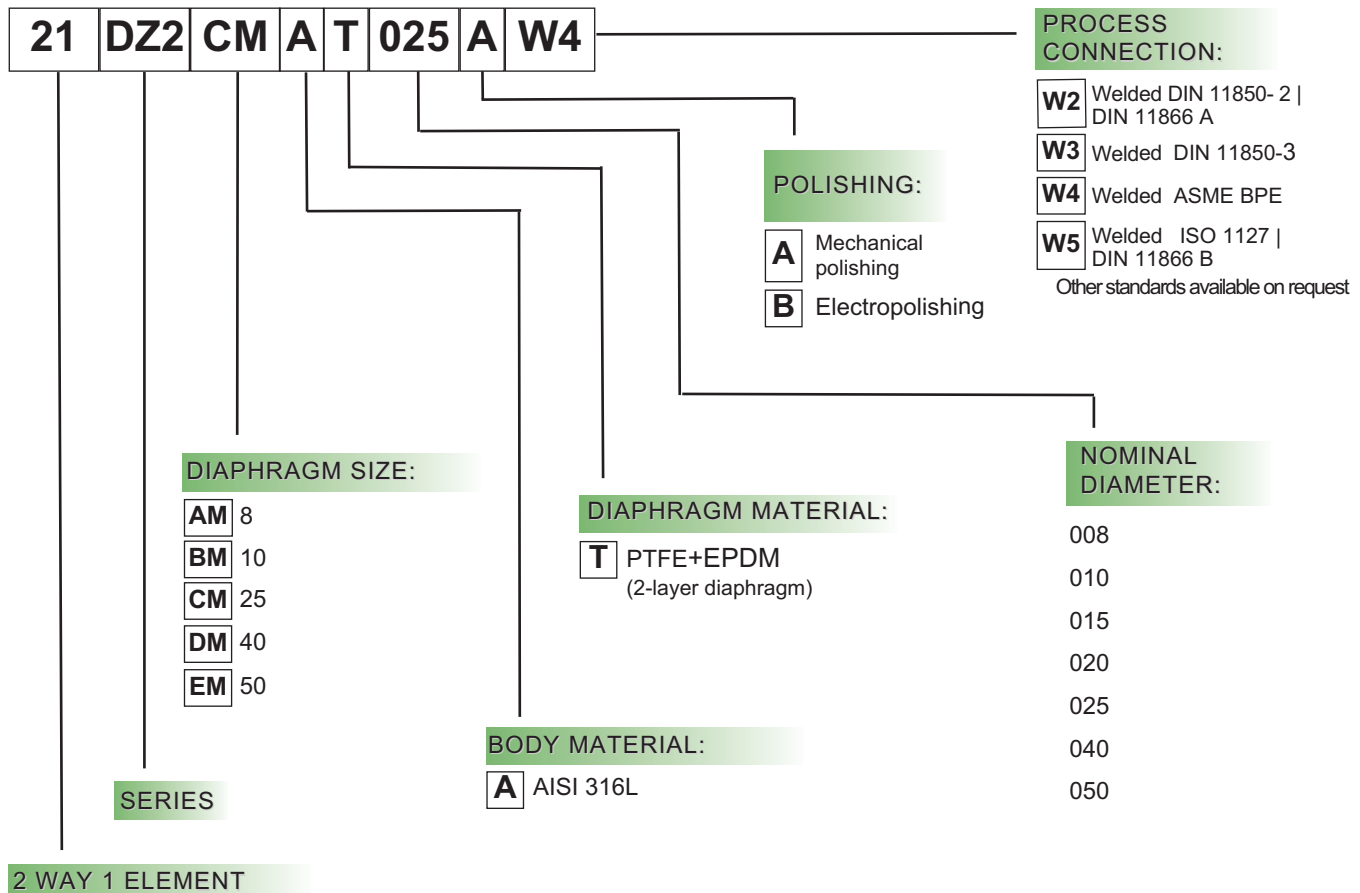
Chemical compatibility fluids/materials, has to be verified at RFQ stage with ODE sales dept.

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

Code	Nominal Diameter	Diaphragm Size	Kv [m³/h]	Differential pressure [bar]		Weight [Kg]
				min	max	
21DZ2AMAT008A**	DN8	8	0,4	0	10	0,3
21DZ2AMAT010A**	DN10	8	1	0	10	0,3
21DZ2AMAT015A**	DN15	8	1,1	0	10	0,3
21DZ2BMAT015A**	DN15	10	4,9	0	10	0,3
21DZ2BMAT020A**	DN20	10	5,5	0	10	0,6
21DZ2CMAT020A**	DN20	25	10,2	0	10	0,6
21DZ2CMAT025A**	DN25	25	11,4	0	10	1,35
21DZ2DMAT040A**	DN40	40	17,5	0	10	2,5
21DZ2EMAT050A**	DN50	50	34,4	0	10	3,6

### ORDERING CODE

**21 DZ2 CM A T 025 A W4**





# SERIE 21DZ2

Code	Nominal size	Diaphragm size	Ø A	B	Ls	L	DIN 11850-2 DIN 11866-A		DIN 11850-3		ASME BPE		ISO 1127 DIN 11866-B	
							[** = W2]		[** = W3]		[** = W4]		[** = W5]	
							Ød	T	Ød	T	Ød	T	Ød	T
21DZ2AMAT008A**	DN8	8	40	64	20	72					6,35	0,89		
21DZ2AMAT010A**	DN10	8	40	64	20	72					9,53	0,89		
21DZ2AMAT015A**	DN15	8	50	64	20	72					12,7	1,65		
21DZ2BMAT015A**	DN15	10	65	85	29	108	19	1,5	20	2			21,3	1,6
21DZ2BMAT020A**	DN20	10	65	85	29	108					19,05	1,65		
21DZ2CMAT020A**	DN20	25	85	102	26	120	23	1,5	24	2			26,9	1,6
21DZ2CMAT025A**	DN25	25	85	102	26	120	29	1,5	30	2	25,4	1,65	33,7	2
21DZ2DMAT040A**	DN40	40	105	115	30	153	41	1,5	43	2	38,1	1,65	48,3	2
21DZ2EMAT050A**	DN50	50	125	133	30	173	53	1,5	54	2	50,8	1,65	60,3	2

## DIMENSIONS:

