



Aseptic diaphragm valve manually operated 2/2

SERIE 21DZ2
(Tri-Clamp 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..

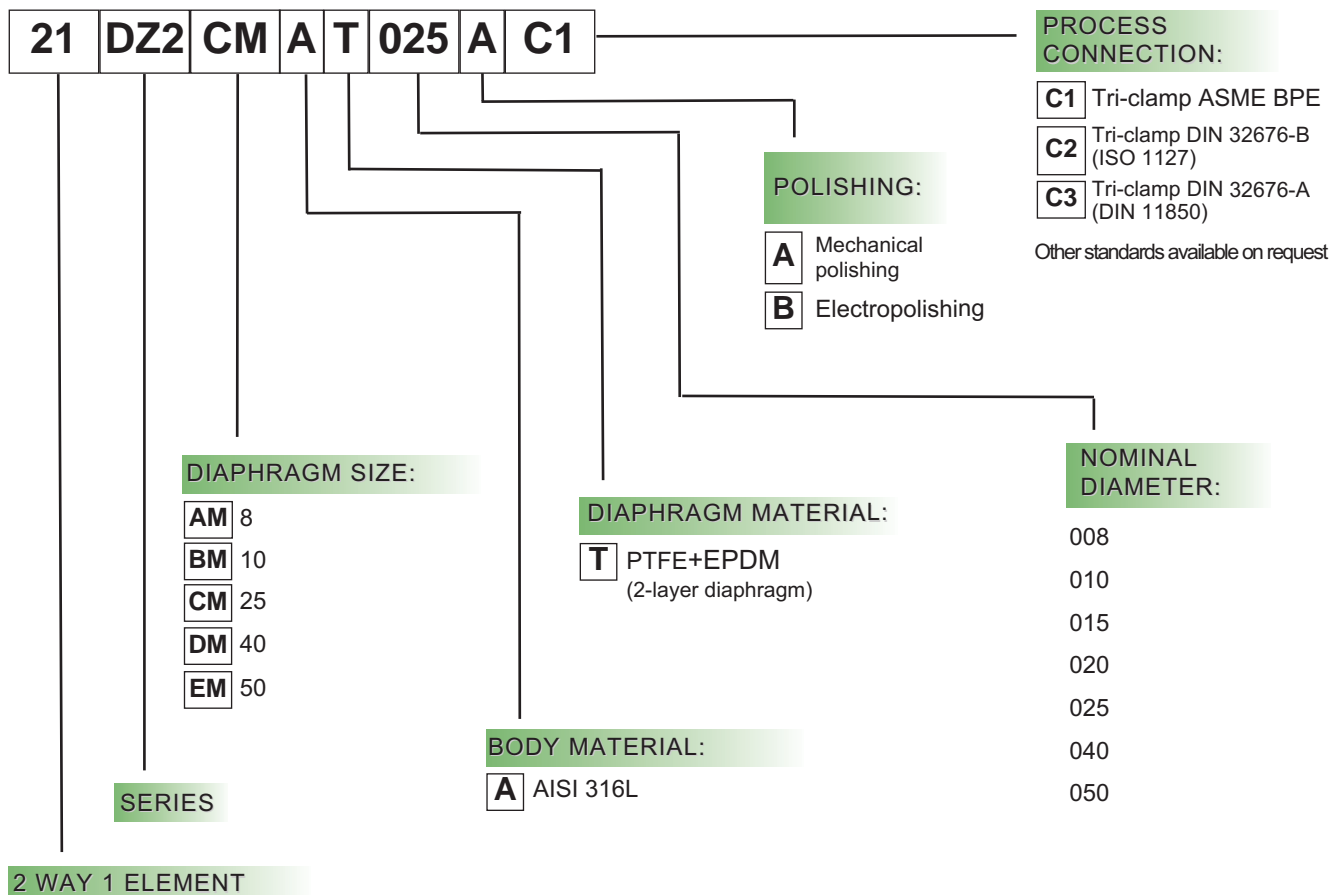
Nota

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	0,35
21DZ2AMAT010A**	DN10	8	1	0	10	0,35
21DZ2AMAT015A**	DN15	8	1,1	0	10	0,35
21DZ2BMAT015A**	DN15	10	4,9	0	10	0,35
21DZ2BMAT020A**	DN20	10	5,5	0	10	0,65
21DZ2CMAT020A**	DN20	25	10,2	0	10	0,65
21DZ2CMAT025A**	DN25	25	11,4	0	10	1,45
21DZ2DMAT040A**	DN40	40	17,5	0	10	2,6
21DZ2EMAT050A**	DN50	50	34,4	0	10	3,85

ORDERING CODE





SERIE 21DZ2

Code	Nominal size	Diaphragm size	Ø A	B	Ls	ASME BPE			DIN 32676-B (ISO 1127)			DIN 32676-A (DIN 11850)		
						Ød1	Ød2	L1	Ød1	Ød2	L1	Ød1	Ød2	L1
21DZ2AMAT008A**	DN8	8	40	64	15,5	4,57	25	63,5						
21DZ2AMAT010A**	DN10	8	40	64	15,5	7,75	25	63,5						
21DZ2AMAT015A**	DN15	8	50	64	15,5	9,4	25	63,5						
21DZ2BMAT015A**	DN15	10	65	85	34				18,1	50,5	108	16	34	108
21DZ2BMAT020A**	DN20	10	65	85	34	15,75	25	101,6						
21DZ2CMAT020A**	DN20	25	85	102	30				23,7	50,5	117	20	34	117
21DZ2CMAT025A**	DN25	25	85	102	30	22,1	50,5	114,3	29,7	50,5	127	26	50,5	127
21DZ2DMAT040A**	DN40	40	105	115	33	34,8	50,5	139,7	44,3	64	159	38	50,5	159
21DZ2EMAT050A**	DN50	50	125	133	39	47,5	64	158,8	56,3	77,5	190	50	64	190

DIMENSIONS:

