

Silicone plus diaphragms



Silicone and Silicone Plus diaphragms

Features and benefits

- All Silicone diaphragms are laser-etched with cure dates and batch numbers, ensuring that they are completely traceable
- Medical Grade Silicone
- Increased life in steam over base silicone material
- Parylene surface



Silicone plus diaphragms performance

Flow Coefficient (under standard configuration)		
Tank Valve Size	C _v	K _v
0.5"	4.3	3.7
1.0"	15.8	13.7
1.5"	48.0	41.5
2.0"	72.0	62.2
3.0"	170.0	146.9

Technical specifications

	Silicone plus diaphragms
Tank valve sizes	0.5", 1.0", 1.5", 2.0"
Colour	White
Diaphragm variant(s)	Bellows, Straight
Parylene treatment	Yes
Operating temperature	-65 °C to 135 °C (-85 °F to 275 °F)
Compatible actuators	AJS, AKS
Compatible valves	Radial
Actuator type	Manual, Pneumatic
Curing agent	Platinum
Steaming required prior to installation	No
ASME BPE appendix K SIP cycle rating	200
Total actuations during SIP cycle testing	2000
Material specification	Silicone with Parylene surface treatment
Standards	ASME BPE, RoHS
Certification and compliance	ADCF, BSE/TSE free, FDA 21CFR177.2600, USP <87>, USP <88> Class VI

Max. operating pressure varies by size up to maximum indicated

Materials of construction

	Silicone plus diaphragms
Diaphragm	DuPont Q7-4765, Nusil MED-4065
Inserts	304 SS

Product codes

Code	Product
PS05	Radial diaphragm .5" Silicone Plus White with Parylene surface Straight
PS10	Radial diaphragm 1" Silicone Plus White with Parylene surface Bellows
PS17	Radial diaphragm 1.5" Silicone Plus White with Parylene surface Straight
PS20	Radial diaphragm 2" Silicone Plus White with Parylene surface Bellows
PS30	Radial diaphragm 3" Silicone Plus White with Parylene surface Straight
PSE20	Radial diaphragm extended 2" Silicone Plus White with Parylene surface
PSG05	Radial diaphragm extended .5" Silicone Plus White with Parylene surface

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