

EPDM diaphragms

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Features and benefits

- All EPDM diaphragms are laser-etched with cure dates and batch numbers, ensuring that they are completely traceable
- Wide temperature range; good in steam applications
- Not suitable for use with solvents or petroleum agents



Performance

Flow Coefficient (under standard configuration)	
Tank Valve Size	C _v
0.5"	4.3
1.0"	15.8
1.5"	48.0
2.0"	72.0
3.0"	170.0
4.0"	302.0

Technical specifications

	EPDM diaphragms
Tank valve sizes	0.5", 0.5" Extended, 0.75", 1.0", 1.5", 1.5" Extended, 2.0", 2.0" Extended, 3.0", 3.0" Extended, 4.0"
Colour	Black
Diaphragm variant(s)	Bellows, Straight
Parylene treatment	No
Operating temperature	-51 °C to 135 °C (-60 °F to 275 °F)
Max. operating pressure	4.83 barg
Max. operating pressure	70 psig
Compatible actuators	AJS, AKS
Compatible valves	Radial, Weirless
Actuator type	Manual, Pneumatic
Curing agent	Peroxide
Steaming required prior to installation	No
ASME BPE appendix K SIP cycle rating	300
Total actuations during SIP cycle testing	3000
Shelf life	5 years
Material specification	Ethylene propylene diene monomer (peroxide cured)
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

	EPDM diaphragms
Diaphragm	RS60065B ethylene propylene diene monomer rubber
Inserts	304 SS

Product codes

Code	Product
EE17	Radial diaphragm extended 1.5" EPDM Black
EE20	Radial diaphragm extended 2" EPDM Black
EE30	Radial diaphragm extended 3" EPDM Black
EG05	Radial diaphragm extended .5" EPDM Black
EP05	Radial diaphragm .5" EPDM Black Straight
EP10	Radial diaphragm 1" EPDM Black Bellows
EP17	Radial diaphragm 1.5" EPDM Black Straight
EP20	Radial diaphragm 2" EPDM Black Bellows
EP30	Radial diaphragm 3" EPDM Black Straight
EP40	Radial diaphragm 4" EPDM Black Straight

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