

Saunders[®] Diaphragm 425 EPM

www.cranecpe.com

Key features include:

- 1 Peroxide cured EPM
- 2 Suitable for bioprocess applications
- 3 Full industry conformance

Saunders[®] 425 grade diaphragm is manufactured from a specially formulated EPM (Ethylene Propylene Monomer) compound. The EPM material is peroxide cured for optimum cross linking and to minimize extractables and leachables.

The 425 grade diaphragm is suitable for typical applications in the bioprocess industries such as buffers, CIP and SIP, protein solutions and other products.

This diaphragm is FDA compliant to 21CFR part 177. 2600, has been third party tested to USP Class VI <87>, <88>, complies with ASME BPE part SG, is certified ADCF (Animal Derived Component Free) and is fully lot traceable to EN 10204 3.1.

The 425 grade EPM diaphragm been developed and manufactured entirely in-house by Saunders[®].

Use only Genuine Saunders[®] Replacement parts to ensure optimum performance, reliability and regulatory conformance.

CRANE[®]

Crane ChemPharma & Energy



The Saunders[®] EPM diaphragm is fabric reinforced to provide full support for the elastomer face and to increase flex performance.

The EPM diaphragm uses the Saunders[®] threaded compressor attachment for easy error free engagement of diaphragm and compressor.



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Saunders[®] 425 Grade Diaphragm

Construction

- 425 grade EPM:
 - Organic peroxide cured
 - Excellent mechanical and thermal properties
 - Excellent resistance to compression set
 - Fabric reinforced to optimize flex

EPM (Ethylene Propylene Monomer) is a part of the EP (Ethylene Propylene) family. EPM offers reduced number of double bonds for improved thermal performance.

Size Range

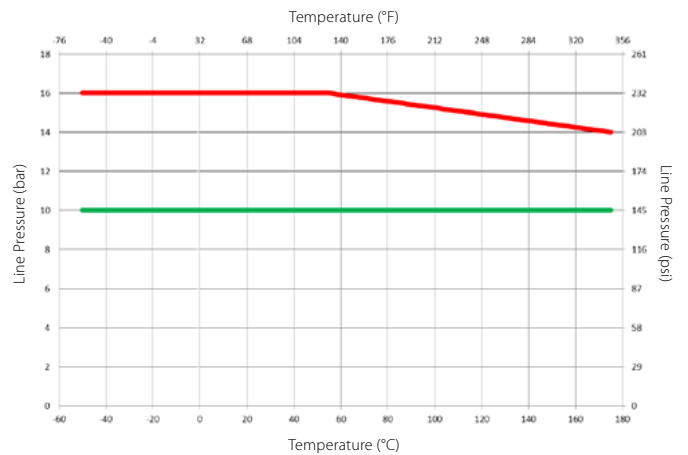
- DN8- DN200 (0.25" – 8")

Maximum Temperature

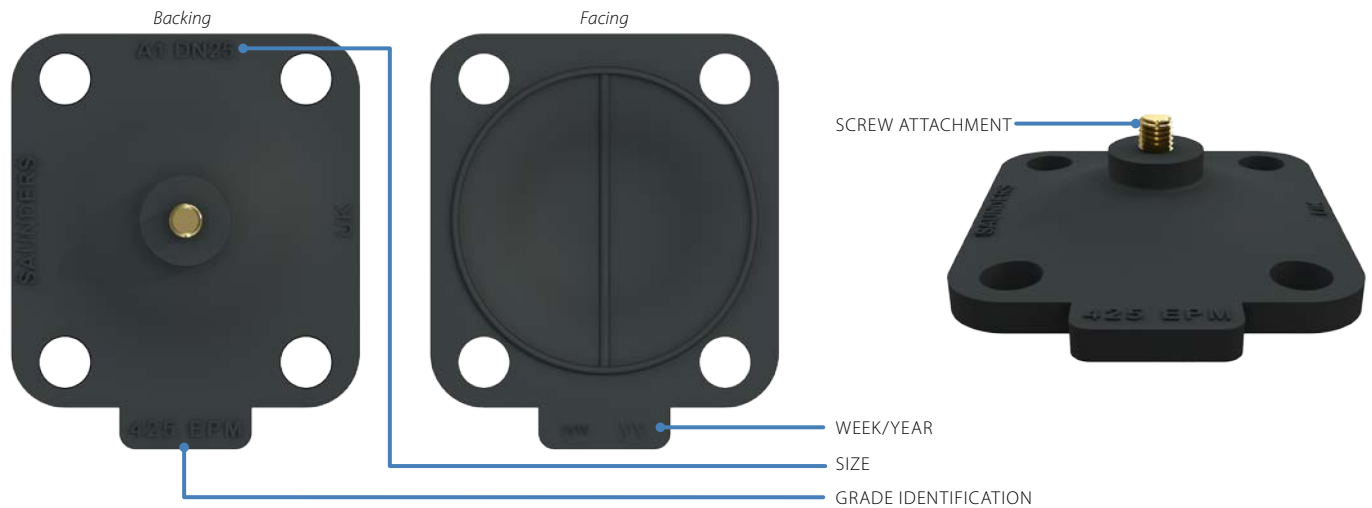
- 140° C

Valve Body Temperature/Pressure Relationships

- DN8 to DN50 rubber diaphragms
- DN65 to DN150 rubber diaphragms



Diaphragm Marking



Size	Grade	Catalogue Code	Connection Type
DN8–DN20 (0.25" – 0.75")	425	E8	Screw
DN25–DN200 (1" – 8")	425	E2	Screw

DN8-50 (0.25"-2") Moulded Closed (Available Moulded Open on request)

Note – Diaphragms with button attachment are available as spares only for sizes DN8, 15 and 20. Please contact your representative for details

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Crane ChemPharma & Energy, Saunders[®]

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