

Saunders[®] Diaphragm EF EPDM

www.cranecpe.com

Key features include:

- 1 Peroxide Cured EPDM; post cured
- 2 Suitable for bioprocess applications
- 3 Full industry conformance

Saunders[®] EF grade diaphragm is manufactured from a specially formulated EPDM compound. The EF material is peroxide cured for optimum cross linking and to minimize extractables and leachables. In addition EF is post cured in an air circulating oven for 144 hours at 127°C (240°F) which provides optimum compression set characteristic when used at constant elevated temperature.

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

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



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Saunders® EF Grade Diaphragm

Construction

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

Size Range

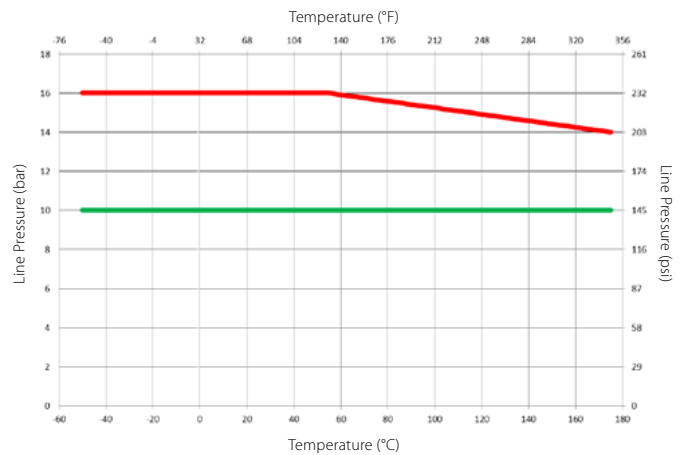
- DN8- DN200 (0.25" – 8")

Maximum Temperature

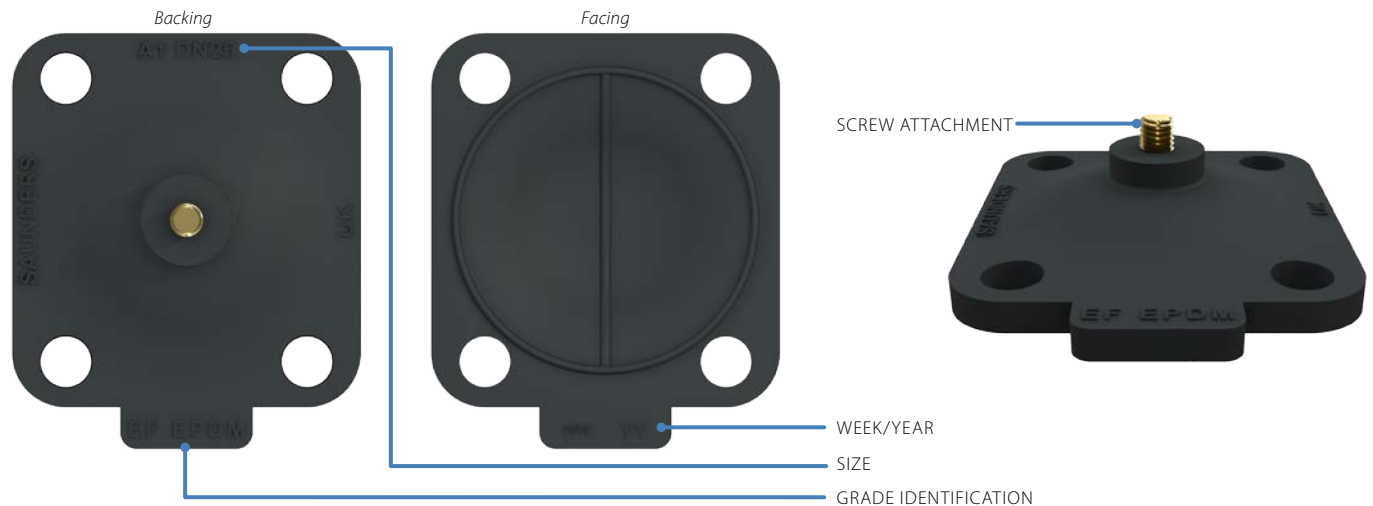
- 140° C

Valve Body Temperature/Pressure Relationships

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



Diaphragm Marking



Size	Grade	Catalogue Code	Connection Type
DN8 0.25" – DN200 8"	EF	EF	Screw

Note - Diaphragms with button attachment are available as spares only for sizes DN8 0.25", DN15 0.5" and DN20 0.75" (Catalogue Code ED)

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Crane ChemPharma & Energy, Saunders®

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