

NEW!

**Saunders® SR Steam Resilience
TFM/EPDM Diaphragm**

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Key features include:

- ❶ TFM face with EPDM backing
- ❷ Suitable for bioprocess applications
- ❸ Full industry conformance

Saunders® SR Steam Resilience diaphragm features two piece leaf type construction. The diaphragm consists of a wetted modified PTFE face (TFM™) with a non-wetted fabric reinforced EPDM backing cushion.

The SR grade diaphragm is suitable for typical applications in the bioprocess industries such as Compendium Waters, buffers, CIP and SIP, protein solutions and other products. The SR diaphragm is especially recommended for applications subjected to intermittent steam service.

This diaphragm is FDA compliant to 21CFR part 177, 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.

Both the TFM face and the EPDM backing have been developed and manufactured entirely in-house by Saunders®.

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

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The Saunders® SR diaphragm features the Saunders® bayonet type compressor attachment which allows the diaphragm to float freely relative to compressor to avoid point loading of the TFM at the stud. The bayonet fit also facilitates easy error free engagement of diaphragm and compressor.



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Saunders® SR Steam Resilience Diaphragm

Construction

- 214S grade Modified PTFE (TFM) wetted face
 - Increased level of crystalline structure versus conventional PTFE
 - Widest temperature range of any polymer
 - Optimum resistance to deformation during steam sterilisation
 - Excellent anti-stick properties
- EPDM backing cushion
 - Organic peroxide cured
 - Excellent mechanical and thermal properties
 - Excellent resistance to compression set
 - Fabric reinforced to optimize flex

Size Range

- DN8-150 (0.25" - 6")

Maximum Temperature

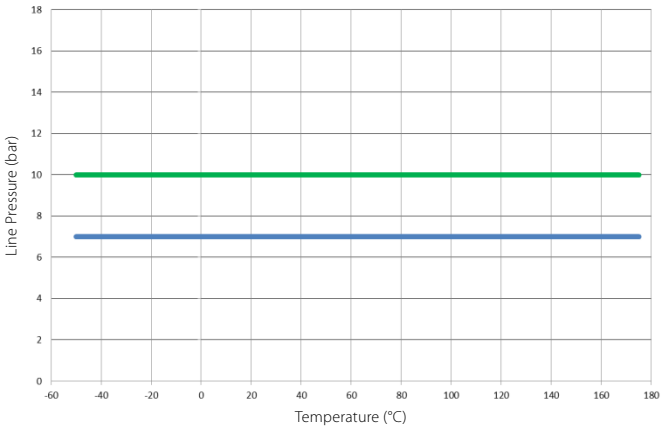
- Constant: 150°C
- Intermittent: 160°C

Diaphragm Marking



Valve Body Temperature/Pressure Relationships

- Maximum for Valves DN8 to DN100 (0.25" to 4") 214S TFM Steam Grade Diaphragms
- Maximum for Valves DN150 (6") 214S TFM Steam Grade Diaphragms



Size	Grade	Catalogue Code	Connection Type
DN8 (0.25")	SR	SR	Screw
DN15–DN150 (0.5"–6")	SR	SR	Bayonet

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