

**NEW!**

**Saunders<sup>®</sup> PR Pure Resilience  
PTFE/EPDM Diaphragm**

[www.cranecpe.com](http://www.cranecpe.com)

**Key features include:**

- 1 100% virgin PTFE face with EPDM backing
- 2 Suitable for bioprocess applications
- 3 Full industry conformance

Saunders<sup>®</sup> PR grade diaphragm features two piece leaf type construction. The diaphragm consists of a wetted PTFE face with a non-wetted fabric reinforced EPDM backing cushion.

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

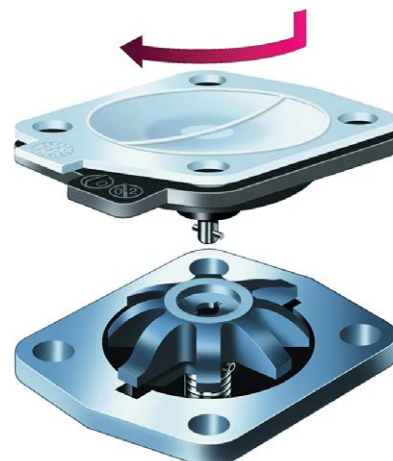
This diaphragm is FDA compliant to 21CFR part 177, has been third party tested to USP Class VI <87>, <88>, complies with ASME BPE part SG, is certified ADCF (Animal Derived Component Free) and is fully lot traceable to EN 10204 3.1.

Both the PTFE face and the EPDM backing have been developed and manufactured entirely in-house by Saunders<sup>®</sup>.

**Use only Genuine Saunders<sup>®</sup> Replacement parts to ensure optimum performance, reliability and regulatory conformance.**



The Saunders<sup>®</sup> PR diaphragm features the Saunders<sup>®</sup> bayonet type compressor attachment which allows the diaphragm to float freely relative to compressor to avoid point loading of the PTFE at the stud. The bayonet fit also facilitates easy error free engagement of diaphragm and compressor.



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# Saunders® PR Pure Resilience Diaphragm

## Construction

- 214 grade PTFE wetted face
  - Fully fluorinated carbon backbone
  - Widest temperature range of any polymer
  - Inert to corrosive chemicals
  - 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

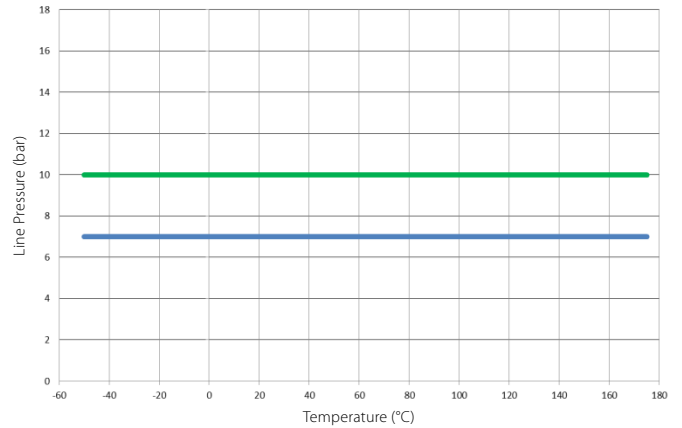
- DN8-150 (0.25" - 6")

## Maximum Temperature

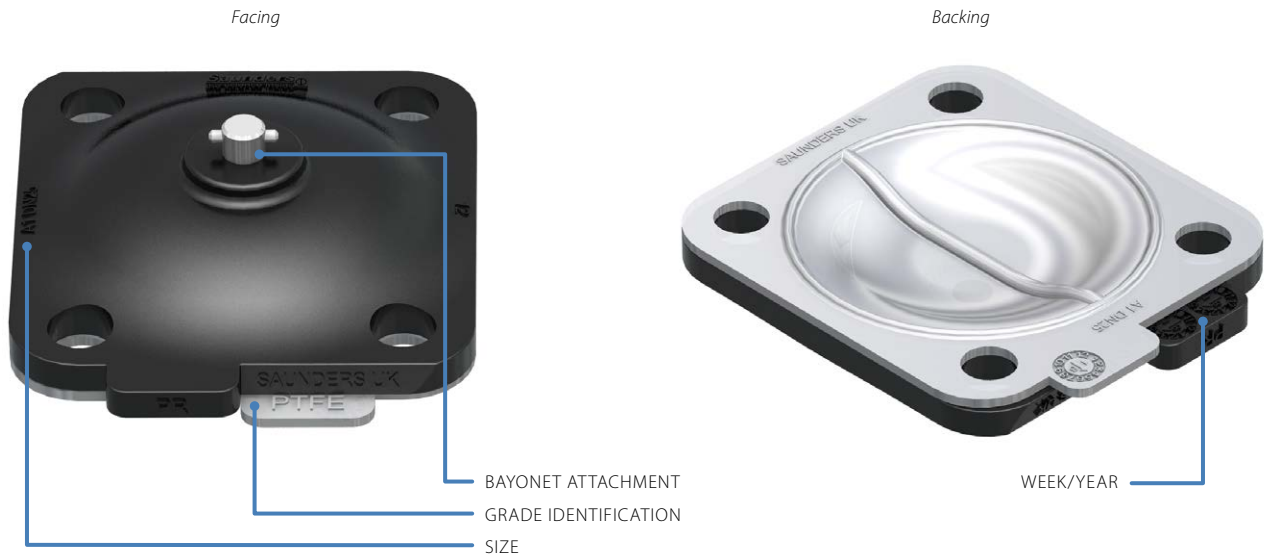
- Constant: 150°C
- Intermittent: 160°C

## Valve Body Temperature/Pressure Relationships

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



## Diaphragm Marking



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

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## Crane ChemPharma & Energy, Saunders®

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