

Saunders[®] Diaphragm 214/EE PTFE/EPDM

www.cranecpe.com

Key features include:

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

Saunders[®] 214/EE 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 214/EE 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[®].

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



The Saunders[®] 214/EE diaphragm features the Saunders[®] 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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CRANE[®]

Crane ChemPharma & Energy

Saunders[®] 214/EE Grade 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
- EE grade EPDM wetted face
 - Organic peroxide cured
 - Excellent mechanical and thermal properties
 - Excellent resistance to compression set
 - Fabric reinforced to optimize flex

Size Range

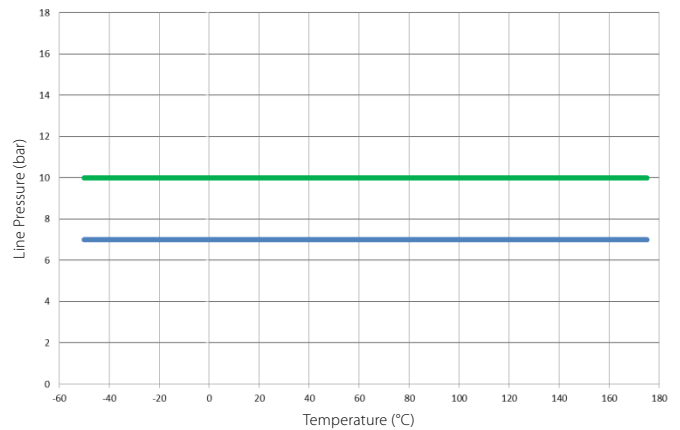
- DN8–150 (0.25"– 6")

Maximum Temperature

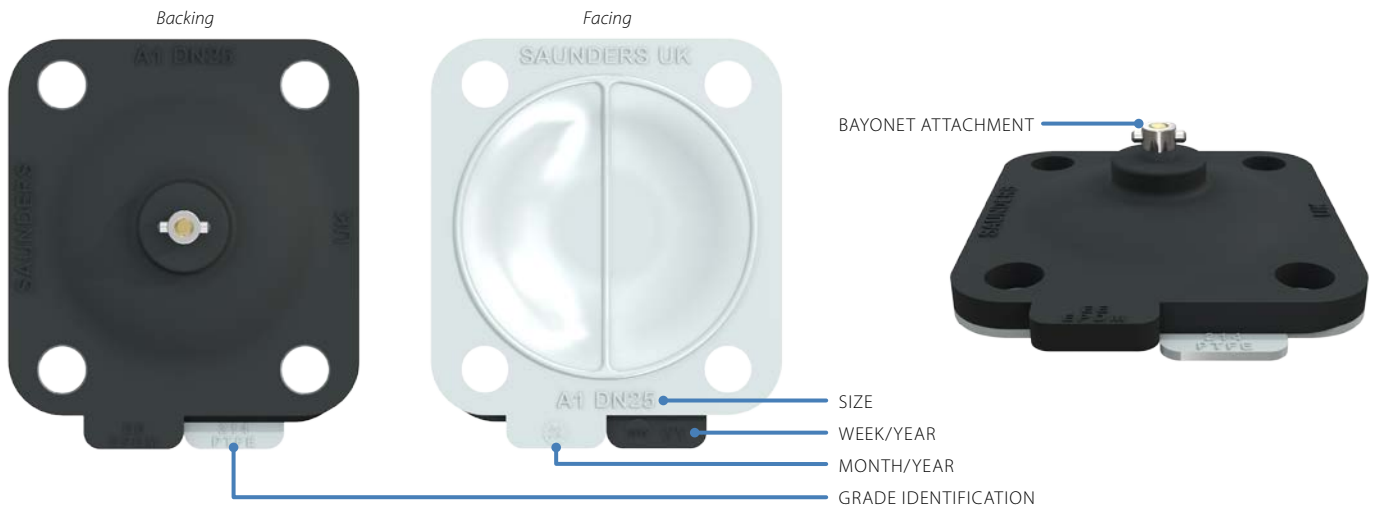
- Constant: 150° C
- Intermittent: 160° C

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")	214 EE	P8	Button
DN15–DN150 (0.5" – 6")	214 EE	P8	Bayonet

All sizes Moulded open

Grange Road, Cwmbran
Gwent NP44 3XX,
United Kingdom
Phone: +44 1633 486666
Fax: +44 1633 486777
www.cranecpe.com

Crane ChemPharma & Energy, Saunders[®]

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