

Saunders[®] Diaphragm 214/300 PTFE/Butyl

www.cranecpe.com

Key features include:

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

Saunders[®] 214/300 grade diaphragm features two piece leaf type construction. The diaphragm consists of a wetted PTFE face with a non-wetted fabric reinforced Butyl backing cushion.

The 214/300 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 Butyl 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[®] 214/300 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.



www.cranecpe.com

CRANE[®]

Crane ChemPharma & Energy

Saunders[®] 214/300 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
- 300 grade Butyl Non wetted face
 - Organic peroxide cured
 - Excellent mechanical and thermal properties
 - Excellent resistance to compression set
 - Fabric reinforced to optimize flex

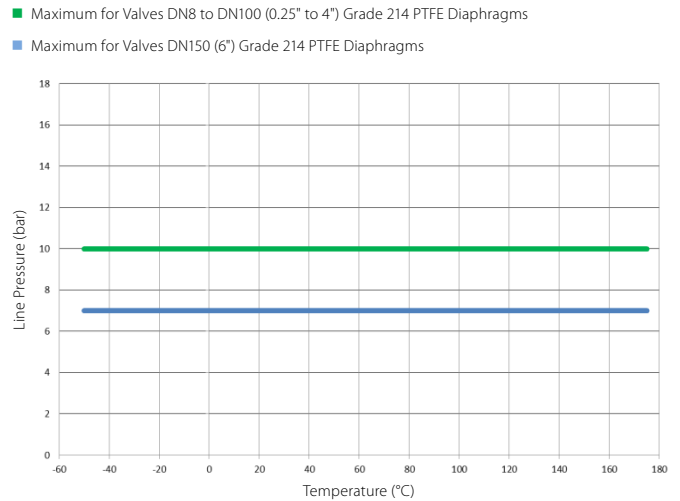
Size Range

- DN8-150 (0.25" - 6")

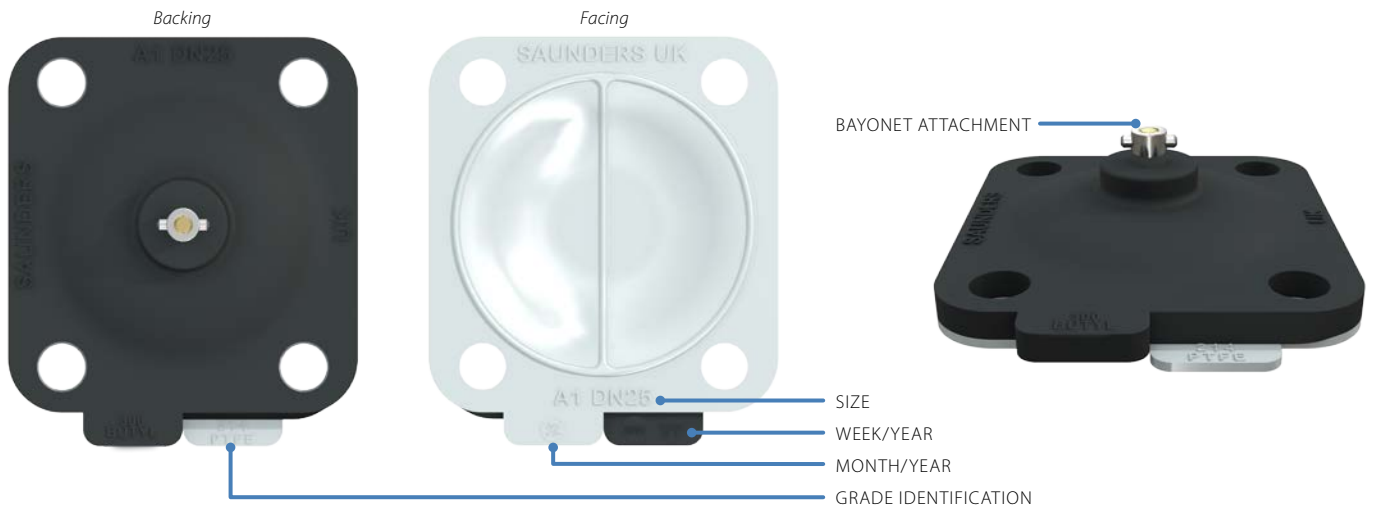
Maximum Temperature

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

Valve Body Temperature/Pressure Relationships



Diaphragm Marking



Size	Grade	Catalogue Code	Connection Type
DN8 (0.25")	214/300	P1	Button
DN15–DN150 (0.5" – 6")	214/300	P1	Bayonet

All sizes Moulded open

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

Crane ChemPharma & Energy, Saunders[®]

Crane Co., and its subsidiaries cannot accept responsibility for possible errors in catalogues, brochures, other printed materials, and website information. Crane Co. reserves the right to alter its products without notice, including products already on order provided that such alteration can be made without changes being necessary in specifications already agreed. All trademarks in this material are property of the Crane Co. or its subsidiaries. The Crane and Crane brands logotype, in alphabetical order, (ALOYCO[®], CENTER LINE[®], COMPAC-NOZ[®], CRANE[®], DEPA[®], DUO-CHEK[®], ELRO[®], FLOWSEAL[®], JENKINS[®], KROMBACH[®], NOZ-CHEK[®], PACIFIC VALVES[®], RESISTOFLEX[®], REVO[®], SAUNDERS[®], STOCKHAM[®], TRIANGLE[®], UNI-CHEK[®], WTA[®], and XOMOX[®]) are registered trademarks of Crane Co. All rights reserved.