

Saunders[®] Diaphragm 500 Silicone

www.cranecpe.com

Key features include:

- ① Dicumyl peroxide cured silicone
- ② Suitable for bioprocess applications
- ③ Full industry conformance

Saunders[®] 500 grade diaphragm is manufactured from a specially formulated Silicone compound. The Silicone material is peroxide cured for optimum cross linking and to minimize extractables and leachables.

Silicone offers good mechanical properties and resistance to aqueous media, steam, dilute acids, caustic and CIP solutions. It also provides excellent resistance to compression set.

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 500 grade Silicone diaphragm has 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[®] 500 diaphragm is fabric reinforced to provide full support for the elastomer face and to increase flex performance.

The 500 diaphragm uses the Saunders[®] threaded compressor attachment for easy error free engagement of diaphragm and compressor.



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Saunders[®] 500 Grade Diaphragm

Construction

- 500 grade Silicone
 - Organic peroxide cured
 - Excellent mechanical and thermal properties
 - Excellent resistance to compression set
 - Fabric reinforced to optimize flex

Size Range

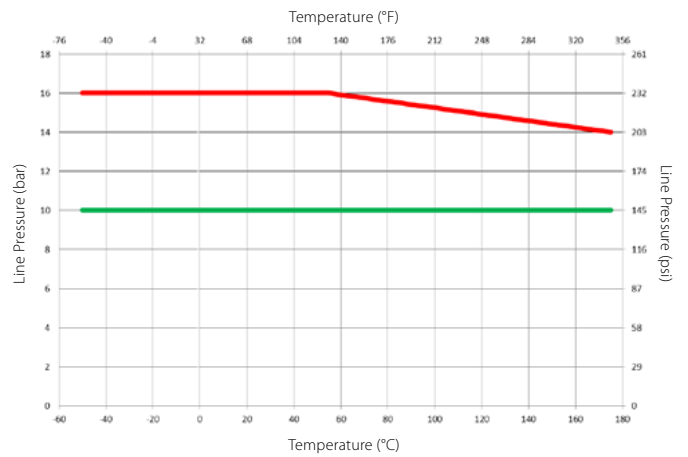
- DN8- DN150 (0.25" – 6")

Maximum Temperature

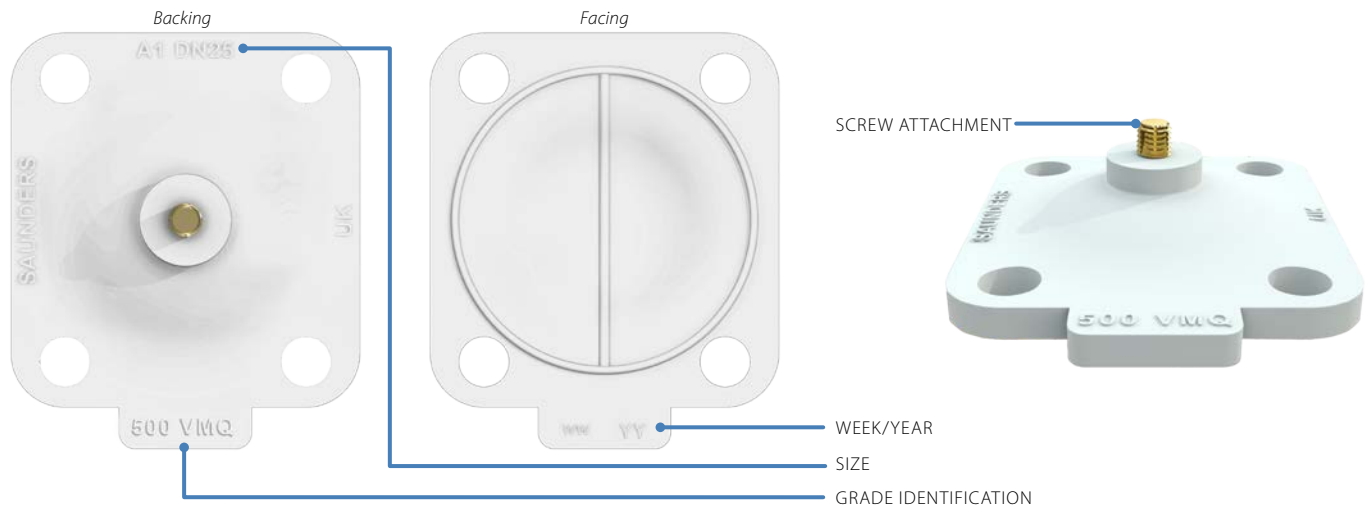
- 150° C

Valve Body Temperature/Pressure Relationships

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



Diaphragm Marking



Size	Grade	Catalogue Code	Connection Type
DN8–DN20 (0.25" – 0.75")	500	Q2	Screw
DN25–DN150 (1" – 6")	500	Q1	Screw

Note – Diaphragms with button attachment are available as spares only for sizes DN8, 15 and 20 (Catalogue Code Q1). Please contact your representative for details

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Crane ChemPharma & Energy, Saunders[®]

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