Saunders®
the science inside

KÄHLER
Industrie-Armaturen

NEW!

Saunders® ER Resilience EPDM Diaphragm

Key features include:

1. Enhanced surface finish integrity to assist process purity (ASME BPE compliant)
2. Up to 40% improvement in compression set characteristic compared to typical EPDM diaphragms to reduce need for re-torque and ensure seal to atmosphere
3. Excellent chemical resistance to typical Biopharm process media
4. Front to back technology ownership optimizes security & reliability

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

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

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 ER grade EPDM 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.**



The Saunders® ER diaphragm is fabric reinforced to provide full support for the elastomer face and to increase flex performance.

The ER diaphragm uses the Saunders® threaded compressor attachment for easy "error free" engagement of diaphragm and compressor.



Saunders® ER Grade Diaphragm

Construction

- ER grade EPDM:
  - Organic peroxide cured
  - Excellent mechanical and thermal properties
  - Excellent resistance to compression set
  - Fabric reinforced to optimize flex

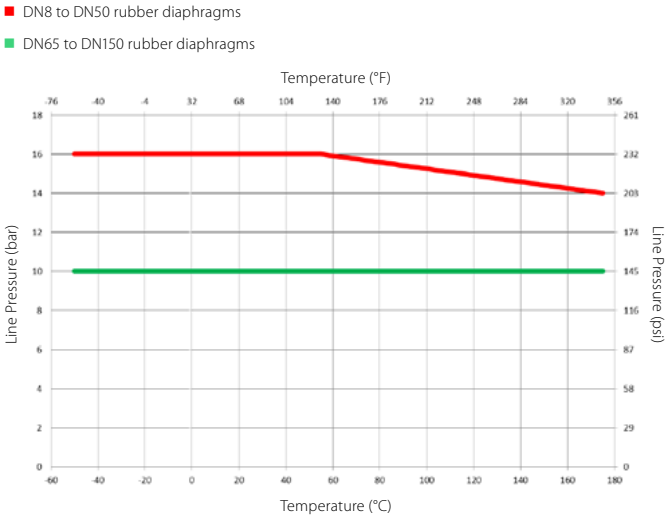
Size Range

- DN8- DN150 (0.25" – 6")

Temperature Range

- -40 to 110˚C Liquid Media
- 150˚C Max Steam Sterilisation (max 180 minutes per cycle)

Valve Body Temperature/Pressure Relationships



Diaphragm Marking

Backing



Facing—Wetted Face



Size	Grade	Catalogue Code	Connection Type
DN8–DN150 (0.25" – 6")	ER	ER	Screw