

DRY-RUNNING MULTI-SPRING COMPONENT SEAL FOR TOP ENTRY MIXERS & AGITATORS

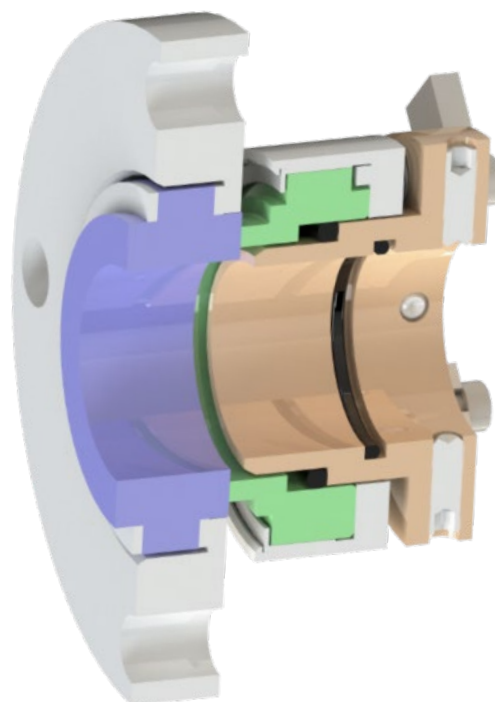
The 23M outside mounted component seal is a rugged, customizable choice designed to meet the unique challenges of equipment misalignment and dry-running applications which require self-lubricating faces and self-alignment.

Overview

- Hydraulically balanced design.
- Cartridge-like installation with setting clips. Assembled and preset at the factory for straight-forward installation.
- Easy to install repair kits.

Design options include:

- Debris well / sanitary gland.
- Silicon carbide sleeve when non-metallic materials required.



MATERIALS OF CONSTRUCTION

Faces: Proprietary dry-running carbon vs. Tungsten Carbide or Ceramic

Springs: Alloy C-276

Elastomers: FKM standard

Metallurgy: 316 SS standard

FDA-compliant and other materials available upon request

OPERATING PARAMETERS

Speed: up to 600 rpm

Temperature: limit set by elastomer choice
FFKM up to 550 °F (287.7 °C)

Pressure:

Full vacuum (28 inHg) up to 200 psig (13.7 bar)

Maximum allowable misalignment:

0.150 max. radial TIR

0.062 max axial TIR

0.032 max seal chamber squareness TIR

Maximum temperature/speed/pressure indicates operating extremes independently and does not imply the seal will function at these extremes at the same time.

23M FEATURES AND BENEFITS

1 SLEEVE holds seal together and provides a suitable surface finish for the dynamic elastomer. Silicon carbide option available for non-metallic seal designs.

2 SNAP RETAINING RING enables operation in full vacuum.

3 DRY RUNNING CARBON SEAL FACE is self-lubricating during operation, eliminating the need for additional seal support systems.

4 MONOLITHIC T-CLAMP TUNGSTEN SEAL RING standard for rugged durability.

5 DEBRIS WELL / SANITARY FLANGE / GLAND PLATE design options are available for your specific application and equipment.

6 SET CLIP advantage allows for simplified installation. Seal components are assembled and pre-set for convenience and immediate seal operation.

