

Where cleanliness counts

The MECO OFS Type-2 is a fully custom, air-free mechanical seal designed with cleanliness in mind. Its single, dynamic seal is easily accessible for washing and drying, while remaining highly effective in sealing product. Unlike standard stuffing boxes and packing glands, the OFS Type-2 is non-abrasive to the machine's shaft and can accommodate shaft runout. The OFS Type-2 is available fully split for efficient installation and maintenance.

How it works

The OFS Type-2's dynamic seal is formed between a rotating, polymer seal face and a stationary, stainless-steel seal face. The dynamic seal is loaded by spring force, providing even seal face pressure between routine adjustments. A stainless-steel drive collar is firmly clamped to the machine's shaft, locking the polymer seal face into rotation with the shaft via two drive pins.

Applications

The OFS Type-2 is best suited for dry and damp blending applications. It can be especially useful for food or similar applications that require frequent and thorough cleaning. The OFS Type-2 can be used on horizontal, inclined, and vertical shafts. Several common machines and process material applications are listed below.

OFS Type-2 machine applications

- Blenders
- Mixers
- Holding tanks

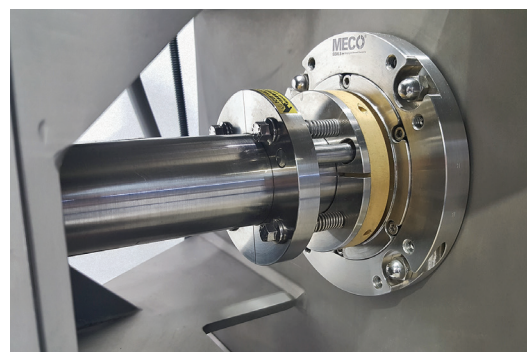
OFS Type-2 process material applications

- Dry food applications
- Pharmaceutical processing
- Damp and dry powder mixing
- Other processes requiring frequent wet-washing and drying



OFS Type-2 features:

- ✓ Fully split
- ✓ Easily cleaned
- ✓ Air-free
- ✓ Self-adjusting



We evaluate the parameters of each application individually to provide a custom engineered solution. For applications involving elevated process pressures, excessive thermal cycling, low viscosity, or small particle sizes, one of our many other available seal models may be a more appropriate solution.

Sizing & material options

MECO's OFS Type-2 is custom-engineered and manufactured to fit the needs of each application. Shaft sizes typically range from 1" (25 mm) to 17.5" (445 mm) and our engineers can accommodate most mounting arrangements.

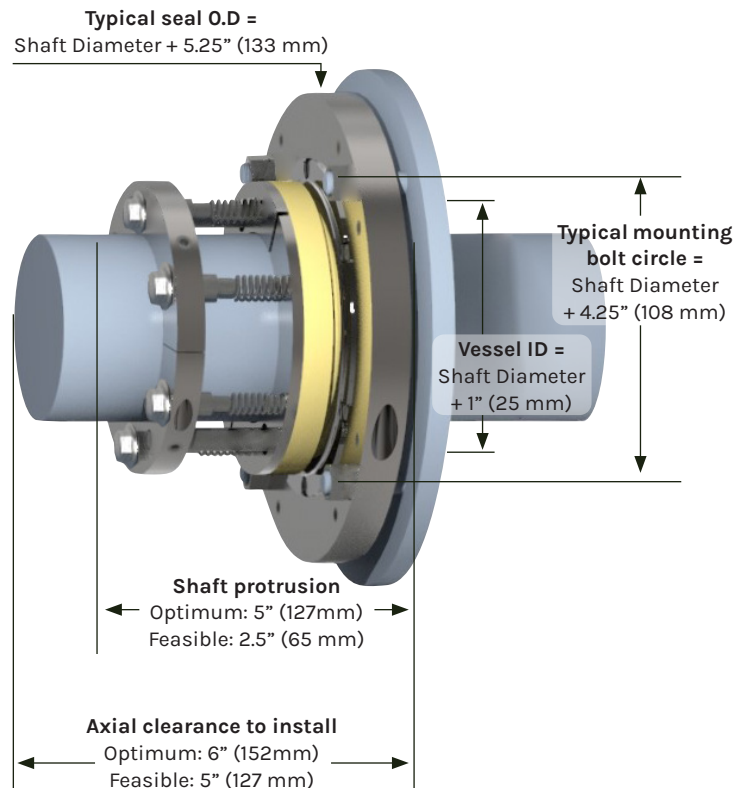
The OFS Type-2 seal is available in a variety of materials. The most common materials are listed below, but alternative materials are available upon request. Contact us with your specific application requirements for a custom solution.

Metal component materials	O-ring materials	Rotor materials
304L stainless-steel	Viton®	MECO 3000 *
316L stainless-steel	Silicone	MECO 3120 *
17-4 stainless-steel	EPDM	MECO 3400 ** MECO 1400 *

* FDA Approved Polymers

** EU10/2011 Approved Polymers

Fully-split FOR EXTERNAL MOUNTING



Maintenance

Due to its spring loaded design, the OFS Type-2 is self adjusting. As the rotor wears the spring load is gradually reduced. The drive collar gap should be periodically checked. When the gap increases beyond the specified range, it can be quickly adjusted by loosening its drive collar and resetting the spring gap. The same procedure can be followed to open the OFS Type-2's seal interface for thorough washing and drying. We offer fully split repair kits to replace all wear items within the seal.

Operating parameters

Woodex-MECO specializes in custom engineered seals designed for the particulars of each specific application. The mechanical capabilities of the OFS Type-2 are dependent on the materials and processes involved in the application. We have a range of other seal models that may be more applicable if the OFS Type-2 isn't a good fit for your application.



To learn more and to find out if the **OFS Type-2** is the right seal for you, please give us a call, or submit an online application today!

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