

Kaydon Ring & Seal

# Mechanical Oil-buffered Seals [K•MOS]

for hydrocarbon processing equipment

Kaydon Ring & Seal has supplied the hydrocarbon processing industry with safe, hard-working mechanical oil buffered shaft seals since the 1930's. The [K•MOS] is a prime example of Kaydon quality and reliability.

Oil consumption to process drain during operation is limited to less than 5 gal/day (less than 1 gal/day at

shutdown). The balanced face design and back-to-back dynamic secondary sealing element maintain gas sealing, even with loss of buffer fluid. The addition of an inboard windback or gas buffered labyrinth feature directs sour oil leakage into drains and away from your process stream.

## Key features:

- Steel retained mechanical carbon face and bushing seal rings provide stability and durability to critical components
- Hydrostatically balanced face seal minimizes wear
- Solid PTFE secondary sealing elements provide the optimal combination of sealing and reduced friction drag

- Hard faced rotor elements matched with seal ring carbon
- Pre-tested seal cartridge

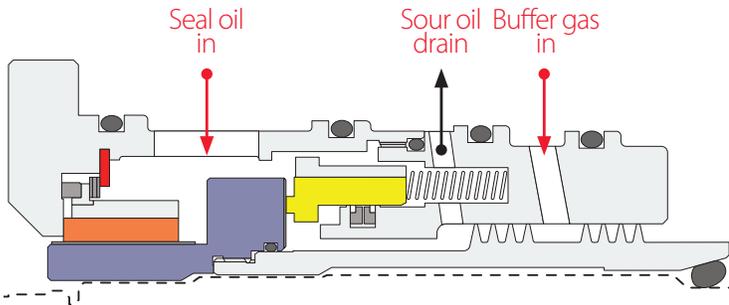
The [K•MOS] can be configured for most any type of hydrocarbon processing equipment, including centrifugal compressors, oil free screw compressors, turbo-expander compressors, and more.

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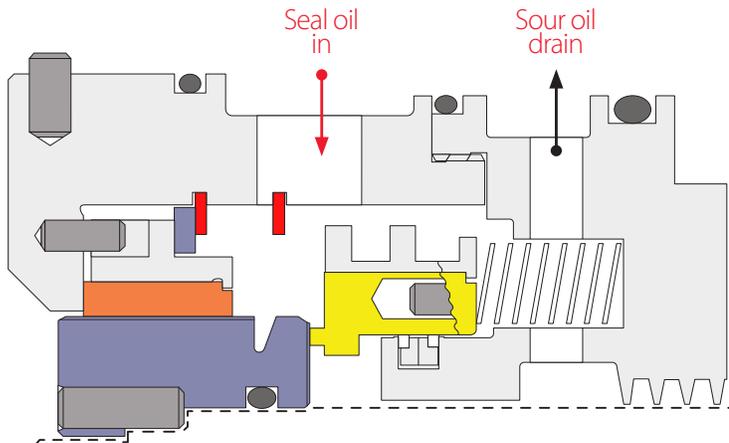


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# Kaydon Ring & Seal Mechanical Oil-buffered Seals [K.MOS]



Typical arrangement for screw compressors



Typical arrangement for centrifugal compressors

## Typical applications up to:

Pressure 1,500 psig (100 barg)

Speed 350 ft/sec (105 m/sec)

Temperature 350° F (175° C)

Size 13 inches (330 mm)

*Kaydon's oil seal application group has the experience and expertise to help with new seal designs, upgrades, retrofits, and troubleshooting of Kaydon and other brand seals, and control systems.*

*The Kaydon Seal Repair Center provides refurbishment and replacement seals of all makes and models.*

*Contact us today at [kmos@kaydon.com](mailto:kmos@kaydon.com) or learn more at [KaydonRingandSeal.com](http://KaydonRingandSeal.com)*



Kaydon  
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**Kaydon Ring & Seal, Inc.**  
1600 Wicomico Street  
Baltimore, MD 21230 USA

410.547.7700 tel  
231.759.1638 fax

[kmos@kaydon.com](mailto:kmos@kaydon.com)  
[KaydonRingandSeal.com](http://KaydonRingandSeal.com)

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