SHARK MIX-DH

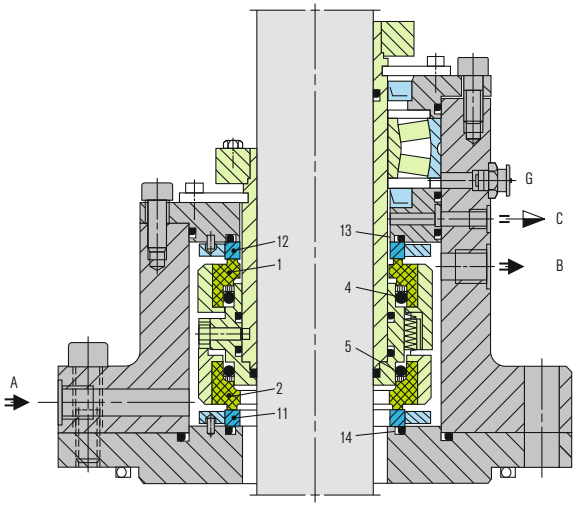
Agitator Seals · High Pressure

Product Description

1. Balanced
2. Cartridge unit
3. Double seal
4. For top drive entries
5. Independent of direction of rotation
6. Liquid-lubricated
7. Multiple springs rotating
8. On request with integrated bearing

Technical Features

1. Connection dimensions to customer's requirements
2. Designed for high pressure range
3. Double balanced as the hydraulic product pressure and/or barrier pressure keeps the seal faces in contact.
4. High reliability and long service life
5. Ready-to-fit and factory-tested units



Typical Industrial Applications

Chemical industry	Dryers
Pharmaceutical industry	Mixers
Suitable for all media	Filter
Agitators	Special rotating equipment

Performance Capabilities

Shaft diameter: dw = 1.000" to 15.75"
Pressure: p1 = vacuum to 3,625 PSIG*
p3 = p1 + 10 %
Temperature: t = -40 °F to +392 (662) °F
Sliding velocity: vg = 0 to 16 ft/s

For operating conditions outside this range, please contact us.

Materials

According to application and customer's specification

Standards

FDA

Notes

Options:
Cooling or heating flange
Leakage drain, flush or heating flange
Leakage drain or flush
Polymerization barrier, leakage drain or flush

Product variants

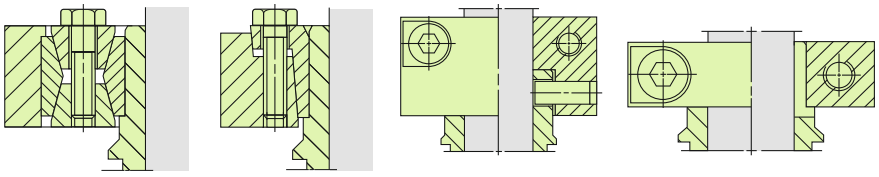
Double seal variants

MIX-DH
Double seal

MIX-DH-B
Double seal with integrated floating bearing (axial thrust bearing on request).

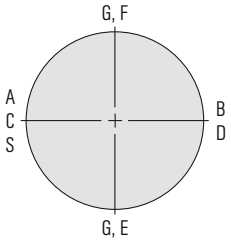
Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
4, 5, 13, 14	O-Ring
11	Seat, product side
12	Seat, atmosphere side

Torque Transmissions

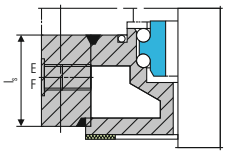


Clamping set | Shrink disk | Clamping ring with pin | Clamping ring

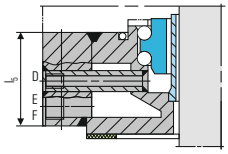
Installation, Details, Options



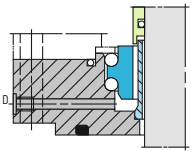
Supply connections
A Barrier fluid IN
B Barrier fluid OUT
C Drainage
D Leakage drain G1/8"
E Cooling IN G3/8"
F Cooling OUT G3/8"
G Grease
S Flush



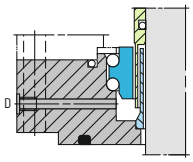
Option
Cooling flange, can be used alternatively as a heating flange (tmax. = 350°C (662 °F).



Option
Leakage drain, can be used alternatively as a flush or as a heating flange.



Option
Leakage drain, can be used alternatively as a flush.



Option
Polymerization barrier, can be used alternatively as a leakage drain or a flush.