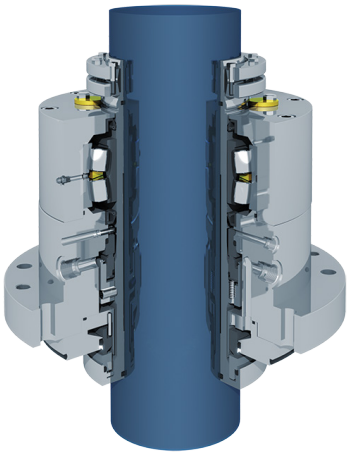
THOMSON MECHANICAL SEALS

TMA-4/4L

Thomson Mix-All dual multi-spring mixer seal for horizontal or vertical entry.



The TMA-4 and TMA-4L mechanical seals are designed for sealing shafts of mixers and reactors in which thick, high viscosity products as well as chemically aggressive and environmentally hazardous ones are processed. The seals are adapted for operating with low-pressure installations of barrier or flushing-cooling fluids. TMA-4 seals have horizontal or vertical rotation axis and in TMA-4L embodiment they play the role of the bearing shaft unit. The presence of barrier liquid enables seal operation in medium vapours only ("dry" run) and prevents the product from getting out into the atmosphere.

FEATURES

- Pre-assembled cartridge design.
- Dual faces for added containment.
- Barrier fluid to cool faces.
- Available with or without integral bearing.
- Bi-directional.

APPLICATIONS

- Horizontal or Vertical entry Mixers/Agitators/Blenders.
- Highly viscous product.
- Chemically aggressive or hazardous media.
- Pulp and Paper.
- Ore Processing.
- Chemical.
- Pharmaceutical.
- Food and Beverage.

OPERATING RANGE

All operating range information is dependent on media, materials of construction, and support systems used. Please contact A.R. Thomson mechanical seal services department for more information.

Pressure, Max:	145 psig (10 bar)
Temperature:	-40°F to 400°F (-40°C to 200°C)
Speed, Max:	1950 fpm (10 m/s)

STANDARD MATERIALS

Seal Faces:	Resin impregnated graphite carbon, antimony carbon-graphite, silicon carbide, dry running carbon.
O-Rings:	FKM, EPDM, Nitrile, Aflas, FFKM.
Springs:	Hastelloy C
Metallurgy*:	316SS

*Hastelloy C, Alloy 20 and Titanium available upon request.

