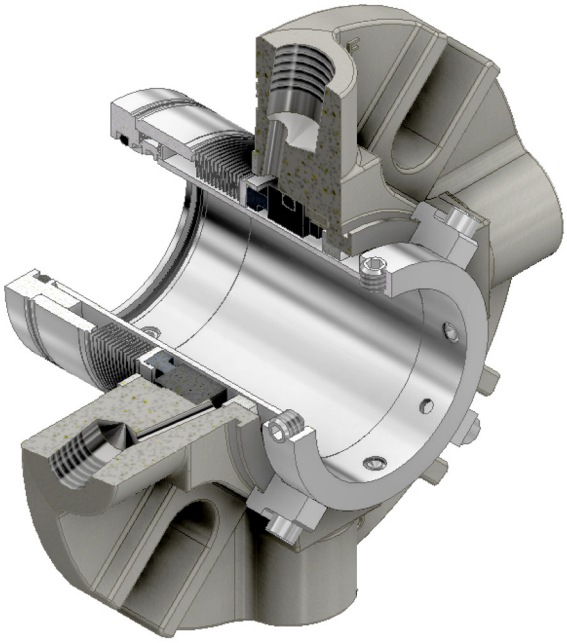
STYLE RBHT

For Heat Transfer Fluid and Other Moderate High Temperature Applications

The Flex-A-Seal Style RBHT was specifically designed to offer unmatched performance for mid-range high-temperature applications. This economically-priced seal is ideal for controlling processes that involve heat transfer fluids, but can be used effectively for any application in the 400°F to 575°F operating range.



Shown: Standard RBHT design

Features & Benefits:

- Cost-effective: The standard RBHT design utilizes the cartridge sleeve and gland common to our RB seal. This allows the RBHT to be an economically priced option to a fully designed high temperature cartridge seal.
- The RBHT is shorter in both outer seal dimension (OD) and in length (axially) to fit into equipment and stuffing boxes where a full high temperature design can not be installed.
- The RBHT design incorporates O-rings as the secondary sealing option which enables seal fitment in applications where there isn't space for grafoils to operate.

Materials of Construction:

Faces:	Antimony Impregnated Carbon, Nickel-Bound Tungsten Carbide, Sintered Silicon Carbide
Bellows:	AM350 Heat-treated Inconel 718 Heat-treated
Gland Bushing:	Bronze, Carbon
Standard Metallurgy:	316 SS with low-expansion Alloy 42 retainer

Other material options are available. Please consult Flex-A-Seal.

Operating Parameters:

Max Temp:	575°F (302°C)
Max Pressure:	300 PSI (20 bar)
Max Speed:	4,500 SFPM (22m/sec)

*** NOTE: Max Temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flex-A-Seal if in doubt.**

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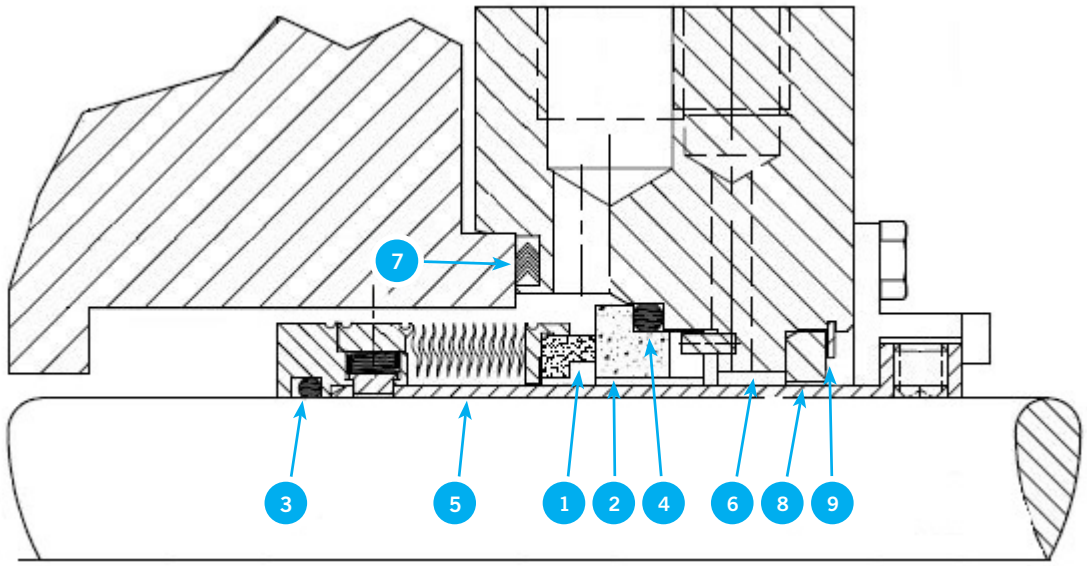

SHOWN: RBHTX design upgrades including L-shaped mating ring, piloted gland, and Flexitallic™ gland gasket

1 Rotary Head Assembly

- Alloy 42 retainer and AM350 heat-treated bellows are compatible with high temperatures
- Antimony-impregnated carbon insert available for increased thermal conductivity
- Hard face combinations also available for abrasive media

2 Mating Ring

- Available in Sintered Silicon Carbide or Ni-Bound Tungsten Carbide
- **RBHTX options also include:** L-shaped or floating mating ring for better seal face alignment

3 + 4 High Temperature-Compatible Elastomers

- FFKM elastomer material options rated for operating temperatures up to 620°F/326°C

5 Cartridge Sleeve

- The RBHT utilizes a standard Style RB sleeve which reduces the overall seal cost. The RBHTX option may incorporate additional design features as needed for specific operating conditions.

6 Gland with 7 Gland Gasket

- Gland is supplied with flush, vent, and drain connections
- **RBHTX options also include:** A piloted gland for seal gland centering. Flexitallic™ metal-to-metal gland gasket to avoid the risk of secondary seal extrusion.

8 Throttle Bushing with 9 Retaining Ring

- The throttle bushing provides additional fluid control during operation and is positively retained to allow for the best functionality with commonly-used API Flush Plans 62 and 65.
- API 682 Plan 62 requires a throttle bushing to be part of the seal design.

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