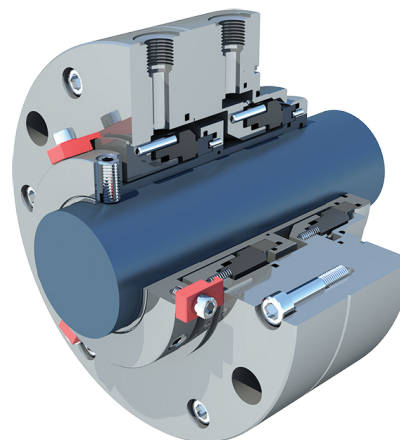


**THOMSON MECHANICAL SEALS**

# 9100-D

General service dual cartridge seal conforming to API 682.


**FEATURES**

- Robust faces resistant to deflection at high pressures and temperatures.
- Very Low Emission tandem design.
- Flow inducer per API plan 52 and 53a,b,c.
- Low friction face geometry.
- Can apply quench.
- Compact construction for easy retrofit to smaller pumps.
- Self aligning face design on both primary and secondary faces.

**APPLICATIONS**

- Clean, Low density high pressure hydrocarbons.
- Propane-butane, Ethanol, Acetone, ethylene hydrocarbons.
- Oil Refining
- Chemical
- Petrochemical
- Operates with API 11/52, 11/53, 12/52, 12/53, 53a,b,c and 54 piping plans.
- Designed according to API 682 Type A, category 2 or 3, arrangement 2CW-CW or 3CW-FB.

**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.

<b>Temperature:</b>	<b>Pressure, Max:</b>
-40 to 176°F (-40 to -80°C)	510 psi (35 bar)
176 to 265°F (80 to 130°C)	450 psi (31 bar)
265 to 350°F (130 to 180°C)	400 psi (28 bar)
350 to 482°F (180 to 250°C)	320 psi (22 bar)

**STANDARD MATERIALS**

<b>Metal Parts:</b>	316SS or Hastelloy C
<b>Seal Faces:</b>	Antimony Impregnated Carbon Graphite, Silicon Carbide, Tungsten Carbide
<b>Elastomers:</b>	FKM, FFKM, EPDM, NBR
<b>Springs:</b>	Hastelloy C

**Limitation of liability:** actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet. v1.1 [WWW.ARTHOMSON.COM](http://WWW.ARTHOMSON.COM)