Mechanical Seal for Refiners
RGP (“A” / “200” / “M” Series)

Mechanical Seal / Sealing Water Specifications
Sealing Water Pressure:
Maximum Grinding Housing Pressure + 2 Bars (30 psi)
Flushing Water Pressure:
Sealing Water Pressure + 1 Bar (15 psi)
Flow Minimum: 25 L/Min
Temp Maximum: 25°C
pH Min - Max: 4 — 8
Hardness Max.: 60mg/L (8.4°dH)
Lime Content Max.: 100mg/L (5.6°dH)
Chrome Content Max.: 500 ppm
Conductivity Max.: 40mS/m
Particle Size Max.: <40um (recommended <20 urn)
Particle Content Max.: 10 mg/L Free from Humus

Flushing Line Testing Protocol
Force flush water “logics” through seal, and watch for water leaking through polyethylene sheet or outside grinding housing drain valve. (If steam is the flushing medium, special care must be taken to protect the people around.)

Note: A lack of sealing water and/or flushing water/steam could seriously jeopardize the mechanical seal performance.

Mechanical Seal Static Testing Protocol
Install hand-valves and pressure gauges at inlet & outlet of sealing water at manifold, by the refiner side.
Close hand-valve at outlet.
Start sealing water, build-up pressure to a maximum of 300 psi. Close hand-valve at inlet.
Stop sealing water.
Check pressure loss after 10 minutes.
<20% loss after 10 minutes is not considered critical. If higher loss (> 20% after 10 minutes), contact your Valmet representative.