

CARBON FACE SEALS

Qualiseal Technology is an experienced manufacturer of dynamic carbon face contacting seals.

BENEFITS

Carbon provides self lubrication and can operate in temperatures up to 1000°F. It also operates at speeds up to 70,000 RPM.

SECONDARY SEALS

Qualiseal Technology is also experienced with several types of secondary seals used in the dynamic seal assemblies.

Bellows Secondary Seals

- Very good sealing performance (hermetic) and can survive temperatures up to 1000°F
- Good vibration performance
- Maintenance free
- Can accommodate lots of shaft movement up to +/- .100 inches.

O-Ring Secondary Seals

- Fairly good sealing properties
- The most economical
- Limited life and lower temperature threshold (250°F)

PTFE Secondary Seals

- Good sealing properties
- Temperature resistance up to 400°F

NON-CONTACTING SEALS

Qualiseal Technology also offers hydrostatic and hydrodynamic sealing solutions to meet demanding performance and life requirements.

EXPERIENCE

Qualiseal Technology has designed carbon face seals for more than forty years and draws from this experience when developing new seal applications and designs.

COMMON APPLICATIONS

- Propulsion engine and APU shaft seals
- Gearbox seals
- Turbo machinery
- Land based turbine power generators
- Pumps
- Industrial machinery

