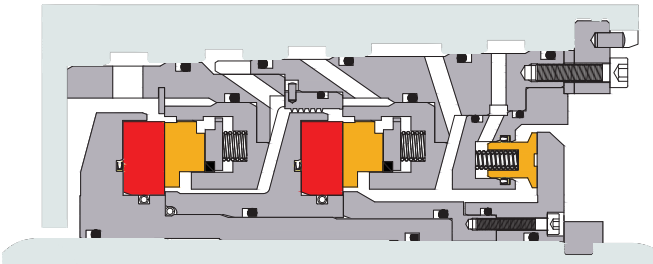


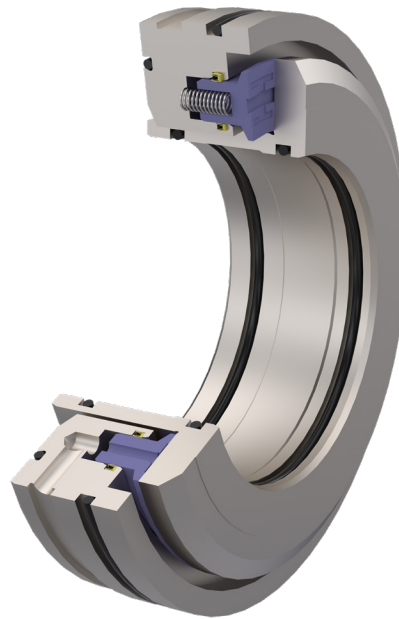
Reduce costs, energy usage and gas consumption compared to conventional separation seals

Generating compressed nitrogen can take a toll on a site's energy use and carbon footprint. Reducing dry gas seal (DGS) nitrogen consumption is one step toward reducing energy costs and increasing green production.

The Axialpac DS seal significantly reduces nitrogen consumption for bearing oil separation sealing by minimizing clearances at all operating conditions.



Gaspac® LE seal with Axialpac DS seal



Customer benefits

- **Reduce nitrogen consumption** and subsequent energy costs and carbon footprint.
- **Seal at higher pressures** than other bearing oil separation seals.
- **Increase process safety** during emergency shutdown.
- **Reduce process emissions and OPEX** by adding the Axialpac DS seal to existing or new Gaspac dry gas seals.

Operating parameters

- **Supply pressure** 1.5 to 2.0 barg (21 to 29 psig)
- **Temperature** -40°C to 180°C (-40°F to 356°F)
- **Speed** Up to 180 m/s
- **Shaft sizes** 25 to 350 mm (1 to 14 in.)

Materials of construction

- **Metal components** Stainless steels or nickel alloys
- **Seal face** Silicon carbide, diamond-like carbon
- **Chemical compatibility** Natural gas, CO₂, H₂, H₂S

Industries

- Oil and gas (upstream, midstream, downstream, CCS, CCUS)
- Power (steam, geothermal, solar, biomass, etc.)
- Chemical (basic, specialty, biofuels, pharma)
- General industry (mining, steel, aluminum, etc.)

Contact us

Learn more about the Axialpac DS seal and see how Flowserve can exceed your expectations! [Flowserve.com/contact-us](https://flowserve.com/contact-us)