

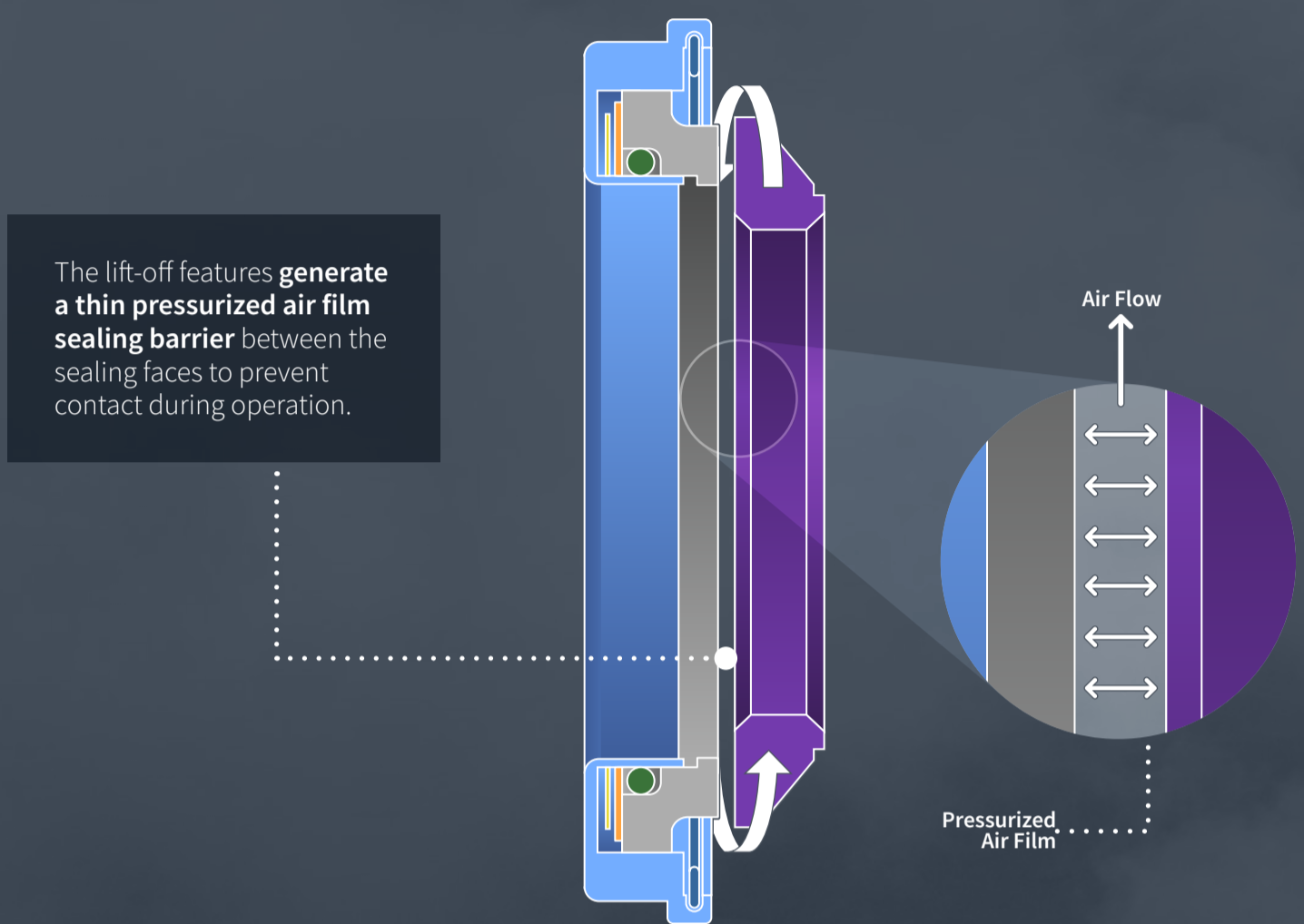
NON-CONTACTING “LIFT-OFF” SEAL

Qualiseal® non-contacting lift-off seals excel in high-stakes environments where **zero leakage** and long service life is required, leveraging a proprietary and proven engineering design.

The advanced spiral lift-off features provide superior film stiffness and film thickness. This allows for increased performance and reliability in high altitude and high vibration applications.

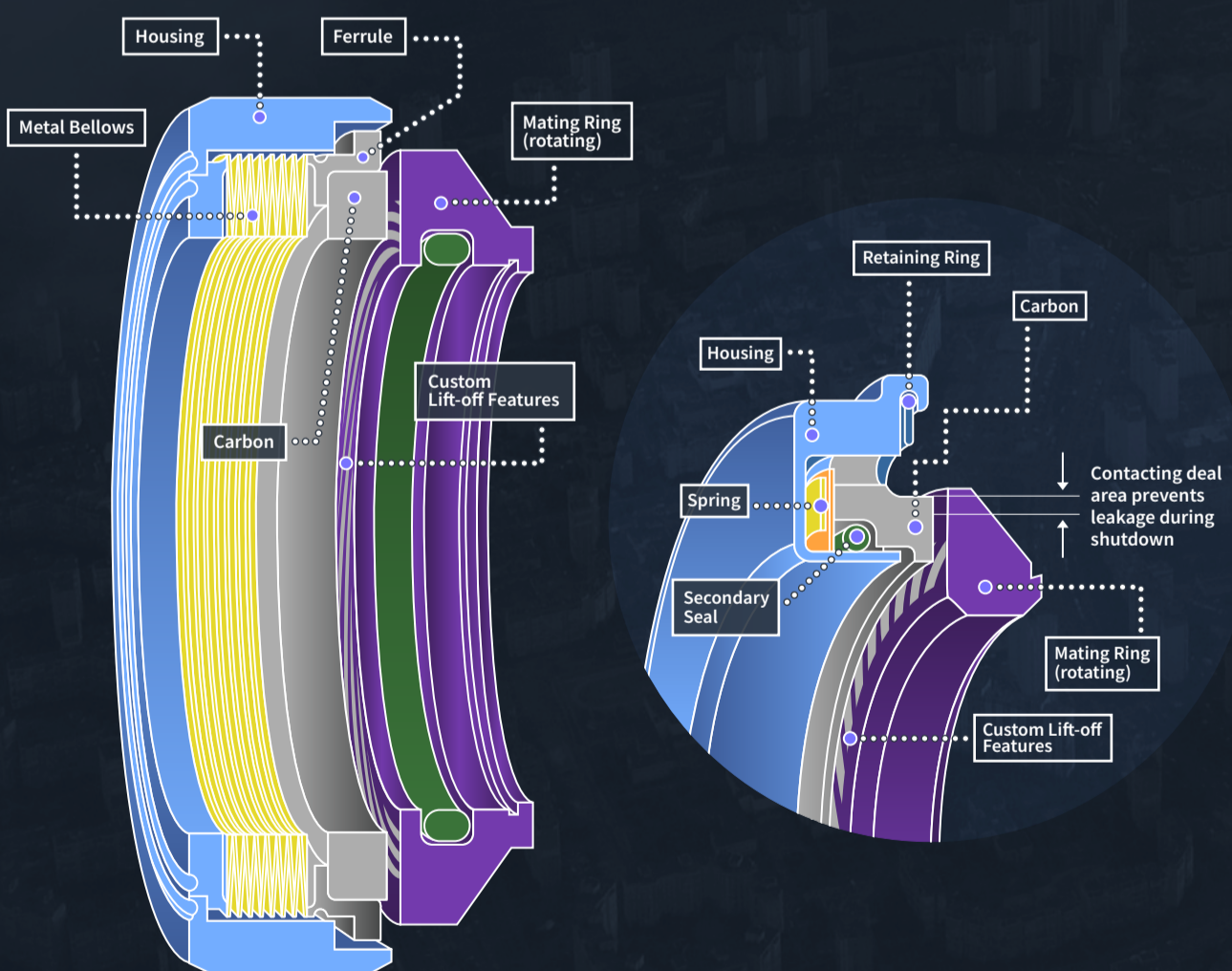
The lift-off features generate a thin pressurized air film between the sealing faces to prevent contact.

This solution operates with low heat generation, minimal wear, and is virtually leak-free.



Non-contacting = negligible wear rate, low operating temperature, and longer seal life.

FEATURES & BENEFITS



BENEFITS:

- Virtually zero leakage
- Significantly lower heat generation than contacting face seals
- Negligible wear compared to contacting seal
- Superior service life
- Robust design does not require special coatings or materials
- Direct replacement for contacting face seals within existing envelope

FEATURES:

- Custom-designed advanced spiral features for high altitude and high vibration environments
- Metal Bellows or spring energized with secondary seal design