

DG5 - Dry Gas Seals: General (Installation, Operation, Troubleshooting, and Retrofitting), controls

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Suggested Topics for Dry Gas Seals Discussion group:

- DGS operating characteristics
- Unidirectional versus bidirectional
- Seals faces and seats, O rings materials
- Explosive decompression
- Primary seal gas supply control system

Primary seal failure detection

- Primary seal gas vent to flare control system
- Secondary seal failure detection
- Tertiary seal types, carbon rings versus labyrinth
- Buffer gas and associated control
- Separation gas, air or nitrogen and associated controls
- Tandem versus double seals application
- Field problems and experiences
- Challenges in Dry Gas Seal retrofits
- Operation and spares maintenance, shelf life and requalification.
- Dry Gas seals reliability and availability.
- Dew point monitoring and control
- Seal Gas Conditioning systems
- Seal Gas Boosters and Heaters
- API 614 – 5th Edition, current and advancements in Dry Gas seals & Systems