Solar® Turbines

A Caterpillar Company

Worldwide Turbomachinery Support

Compressor Dry Seal Booster System

An Enviromentally Friendly Solution

Compressor dry gas seals depend on a clean and consistent supply of gas at the seal to maintain integrity and reliability. When the compressor is not running and that flow is interrupted, the seal is at risk of contamination; however, extended pressurized holds are desirable for both economic and environmental reasons.

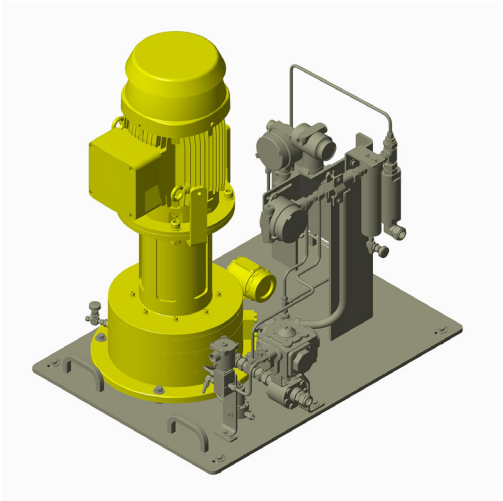
The electric seal gas boost system is specifically designed for these situations. It can protect your dry gas seals by delivering clean gas during pressurized hold conditions and is more reliable and robust compared to pneumatically driven systems.

Key Benefits

- Protects the dry gas seal – improving reliability and reducing maintenance
- Avoids unnecessary venting, thereby reducing methane gas emissions
- Generates savings by keeping the train pressurized and enabling quick start up
- Fully integrated with the Solar® turbine package and control system
- More robust than pneumatic driven systems and requires no facility air
- Can be installed on or near the turbine skid
- Includes a loose-ship variable frequency drive (VFD)

Specifications and Features

- Compatible with Turbotronic™ 4 or later control systems
- Minimum compressor suction pressure: 20.7 barg (300 psig)
- Seal system design temperature: Up to 120°C (250°F)
- Maximum pressure increase: 4.8 barg (70 psig)
- Motor specification: 11 kW (15 hp), 380-460/575/690 V, 3 Phase
- Approximate module size: 107cm W x 84cm D x 117cm H (42"W x 33"D x 46"H)
- Approximate module weight: 680 kg (1500 lbs)



Additional Information

For more details, please refer to Solar Product Information Letter 263 - Dry Seal Gas Supply Electric Boost System

Internet: **www.solarturbines.com**
Email: **infocorp@solarturbines.com**
Phone: **+1-619-544-5352**

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