



Ampliflow G-Boost Seal Gas Booster

Improve dry gas seal reliability

The Ampliflow G-Boost delivers a continuous supply of clean seal gas to compressor gas seals, eliminating a source of contamination and equipment downtime. Driven by an electric motor, the Ampliflow G-Boost improves operational reliability during periods of low differential pressure across the compressor when the available seal gas supply is insufficient.

Features and benefits

- Positive displacement scroll compressor technology produces consistent gas flow rates over a broad range of operating conditions.
- Hermetically sealed, magnetically driven design eliminates leakage of process gas to the environment.
- Modular design can be fitted into existing support systems and allows for quick and simplified local maintenance.



Materials of construction

Magnetic Coupling: Titanium

Housing: Stainless steel

Dimensions: 996 x 385 x 410 mm
(39.20 x 15.16 x 16.20 inches)

Design specifications

Standard Area Classification:
NEC Class 1, Div. 2, Group BCD

Electric Motor:
7.5 hp 3/60/208-230/460V 1800 rpm
Variable Frequency Driven

**Maximum Allowable Discharge
Pressure:** 114 bar (1650 psi)

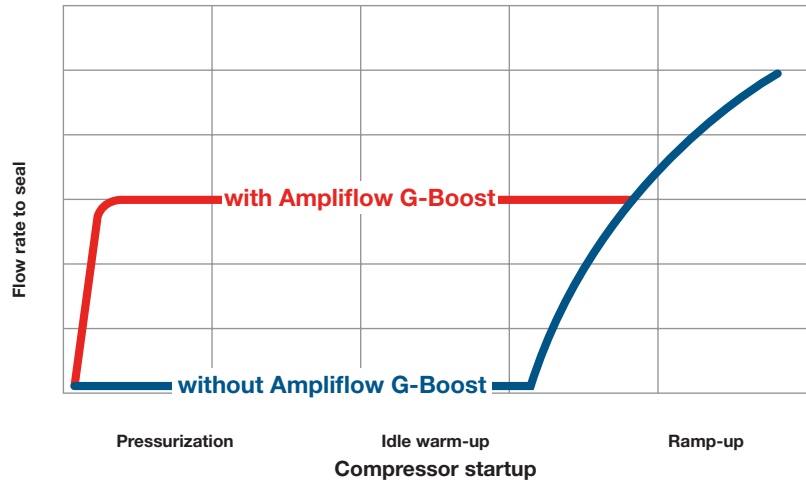
End Connections: O-Ring flange adapter to custom end configurations (Tube connection standard)



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Seal gas supply flow rate

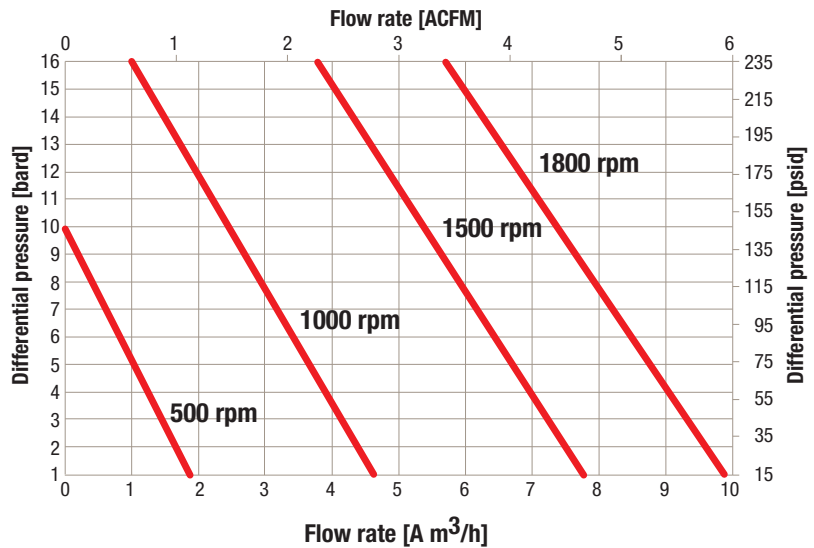
This graph illustrates the seal supply gas flow with and without the use of Ampliflow G-Boost. During the startup phases of a gas compressor, the Ampliflow G-Boost delivers sufficient seal gas flow rate to protect dry gas seals from process contamination.



Ampliflow G-Boost flow and differential pressure

Performance curves for a typical gas transmission pipeline service at 50 barg (725 psig) inlet pressure demonstrate compelling flow rate and differential pressure capability over various speeds.

Contact Flowserve for Ampliflow G-Boost performance curves specific to your application.



SSFLY000887-00 (EN/AQ) June 2023

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