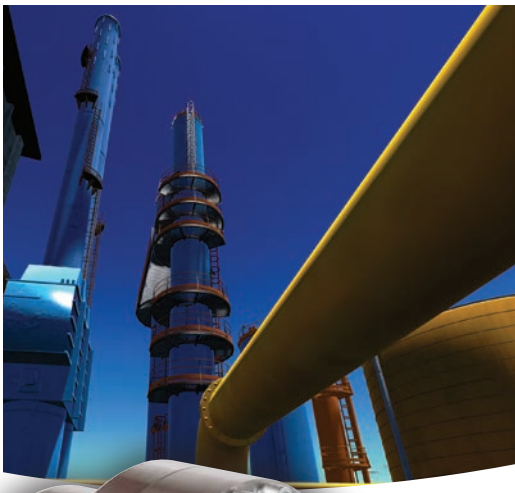
# Ampliflow™ G-Boost
## Seal gas booster

*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

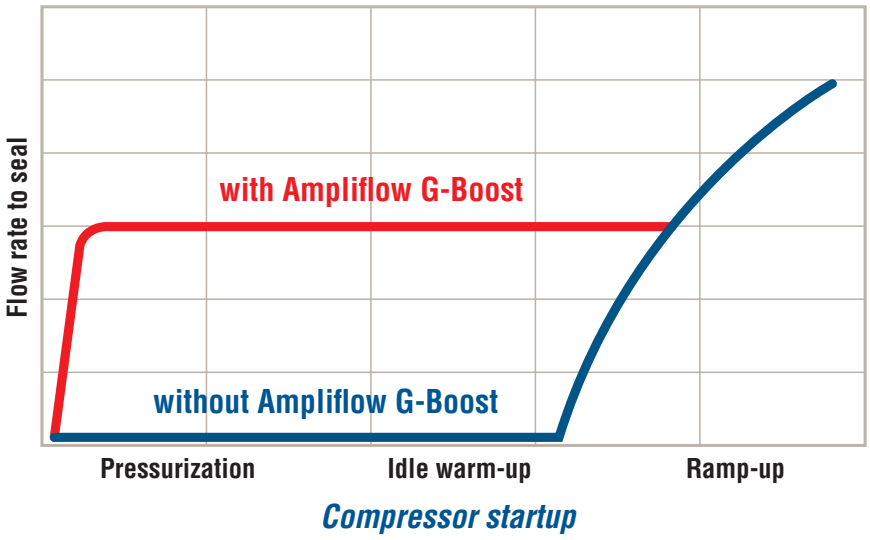
| | |
|---|---|
| **Magnetic Coupling** | Titanium |
| **Housing** | Stainless steel |
| **Dimensions** | 996 x 385 x 410 mm<br>(39.20 x 15.16 x 16.20 inches) |

### Design Specifications

| | |
|---|---|
| **Standard Area Classification** | NEC Class 1, Div. 2, Group BCD |
| **Electric Motor** | 7.5 hp 3/60/208-230/460V 1800 rpm<br>Variable Frequency Driven |
| **Maximum Allowable Discharge Pressure** | 114 bar (1650 psi) |
| **End Connections** | O-Ring flange adapter to custom end configurations (Tube connection standard) |

## 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.

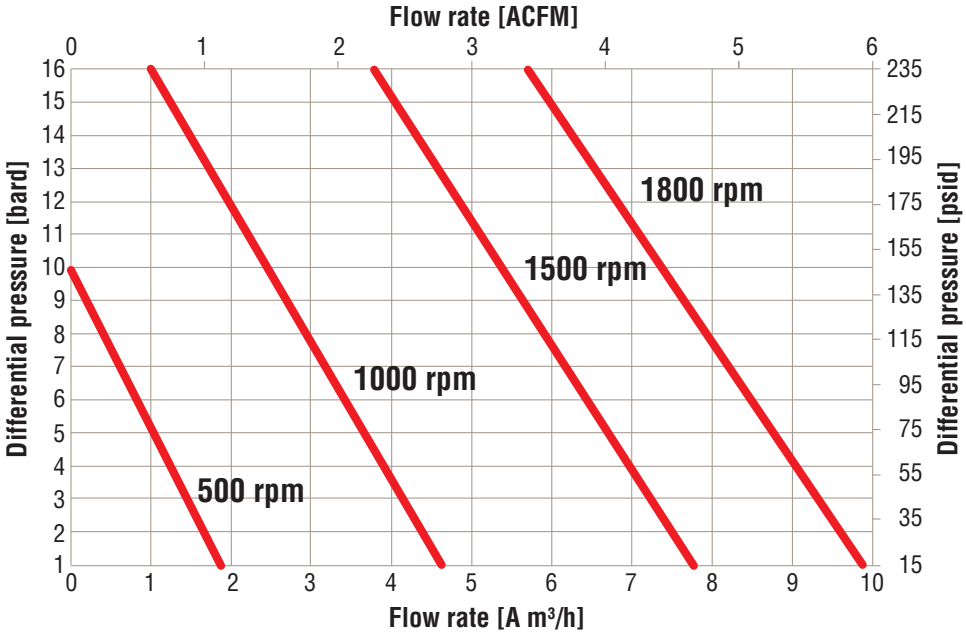



*Compressor startup*

## 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.

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