

GAS SEAL SYSTEMS



DESIGN BENEFITS

- Centrifugal design delivers higher flow-rate requirements per API 692
- Zero-maintenance design delivers reliable and uninterrupted operation
- Optimized weight and size enable broad utilization
- Proven performance including in-house testing, globally placed customer units
- Electric motor operation with on-demand start-up, variable frequency drive and NEMA/ATEX options

PRODUCT DESCRIPTION

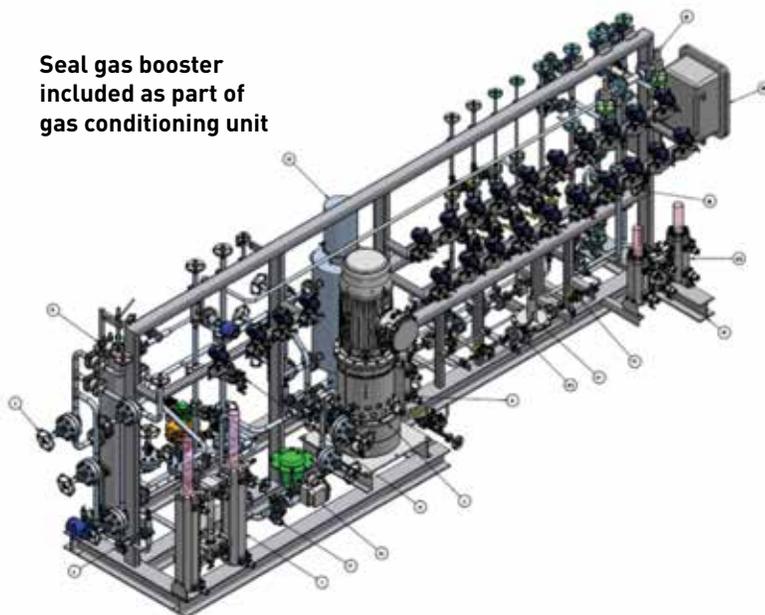
- ■ ■ ■ The John Crane GCU Seal Gas Booster delivers assured differential pressure and gas flow across the seal faces such that the gas seals remain in optimum operational condition and equipment is always ready, allowing for trouble-free start-up first time, every time.

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Seals are often damaged during transient compressor conditions such as start-up or during pressurized holds, when no adequate supply of conditioned seal gas is available. The need for boosters should be established on an application by application basis, but API 692 now deems that the default selection should be inclusive of boosters for all seal gas conditioning, to support its objective of improved operational reliability in the field.

The John Crane Seal Gas Booster delivers assured differential pressure and gas flow across the seal faces such that the gas seals remain in optimum operational condition and equipment is ready, allowing for trouble-free start-up the first time, every time.

Seal gas booster included as part of gas conditioning unit



Standards and Approvals

Certifications or compliance with NACE, PED, ATEX and others available upon request.

Performance Capabilities

Gas operating pressure (HP version)	Max. gas inlet temperature	Flow rate	Generated differential pressure	Shaft speed
1015-2900 psig/70-200 barg	300°F/150°C	1.18 to 11.77 cfm/2 to 20 Am ³ /h	Min. 2.5 bar @ 11.77 cfm/20 Am ³ /h	3600 rpm (optional VFD)

Together, we will work with you to keep your mission-critical operations up and running with support and guidance from our experienced team.



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If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO 14001 Certified, details available on request.