EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

GSS6000
Gas supply system

API 682 4th edition product range | Seal supply systems | Gas supply systems

Features

- Safe operation due to incorporated pressure regulator with upstream filter
- System mounted on a plate
- Easy wall or rack mounting

Functional description

Buffered, gas-lubricated mechanical seals may only be used in conjunction with adequately pressurized gas (e. g. from a closed circular nitrogen pipeline provided by the operator). The minimum pressure overlay level (Δp) is specified for the individual seal types.

Main GSS functions:
- Filtering of the buffer and flushing gas
- Flow monitoring

Typical tasks for the GSS:
- Gas flushing for single seals
- Gas supply for tandem seals

Notes

Design, calculation and production acc. to ASME VIII, Div. 1.

3rd party inspection and other certificates on request.

Advantages

- Coalescing filter with integrated sight-glass for monitoring liquid level to ensure safe operation even in case of poor gas quality.
- Rigid base frame for easy rack mounting.
- Wide range of flow monitoring to ensure utmost reliability of mechanical seals.

Materials

- Refining technology
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology

Standards and approvals

- API 682 / ISO 21049
- API 682 4th ed. Cat. 2/3 - 2CW-CS
- API 682 4th ed. Cat. 2/3 - 2NC-CS
- API 682 4th ed. Cat. 1 - 2NC-CS
- Compliant to TA Luft (German Clean Air Act)

Recommended piping plans

API Plan 72

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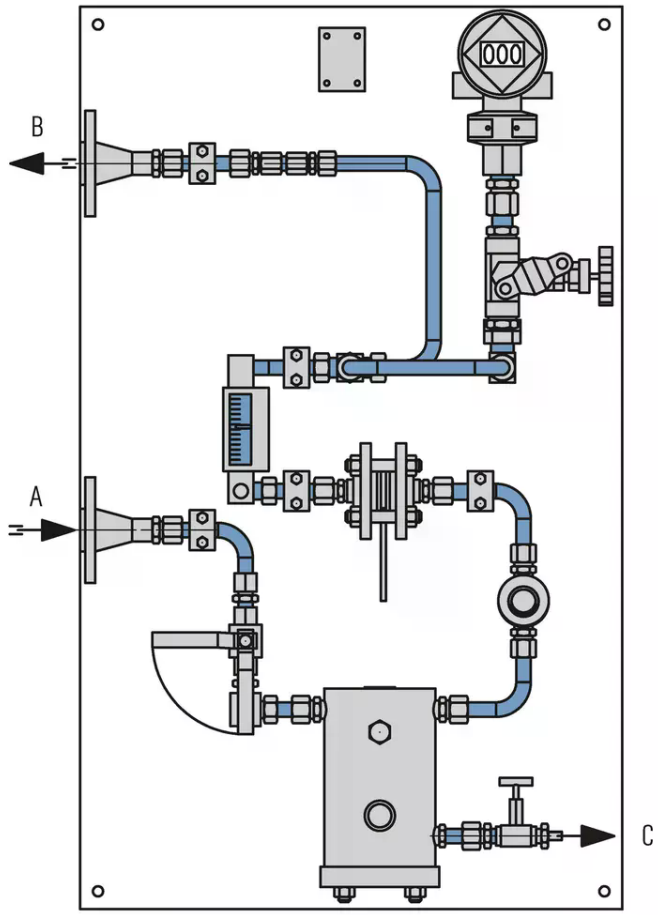
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.



GSS6000A4

A Gas IN
B Gas OUT
C Drain

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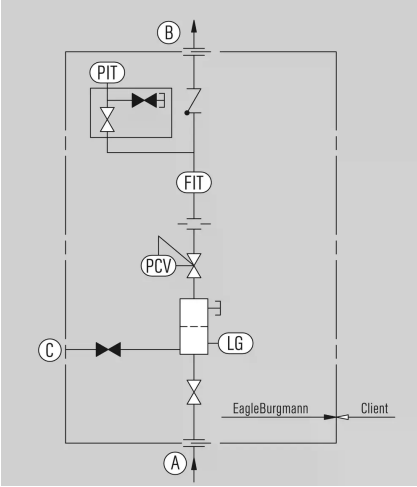
Installation, details, options



P&ID for GSS6000A4
Gas supply system

A Gas IN
B Gas OUT
C Drain

Product variants

Designation	GSS6000A4M001-D0
API piping plan	Plan 72
Design code	ASME
Allowable pressure1)	40 bar (580 PSI)
Allowable temperature1)	-20 °C ... +50 °C (-4 °F ... +122 °F)
Process connections	Flange 1/2", 600 lbs
Metal parts	316/316L

Other versions on request.

1) Design data, permissible working values depend on the actual conditions of service.

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