

RELY ON EXCELLENCE

SPP6 Leakage detection system

API 682 4th edition | Seal supply systems | Leakage detection and collection



Features

The EagleBurgmann leakage control systems of the SPP6006A4 range consist of a pressure transmitter which is supplied together with a block and bleed valve as well as an orifice and drain valve.

Functional description

The SPP6006-A4 leakage control system is used to detect leakage from single seals. In case of a seal failure the SPP6006A4 is required to monitor excessive leakage. If the seal leakage exceeds a certain value, the bushing / orifice will limit the amount of leakage leaving the seal gland. Consequently the pressure will increase on the upstream side of the inner bushing. The pressure is monitored by means of the transmitter which will provide information about seal performance and seal failure.

Advantages

- Compact design
- Easy to integrate in existing piping systems.

Standards and approvals

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

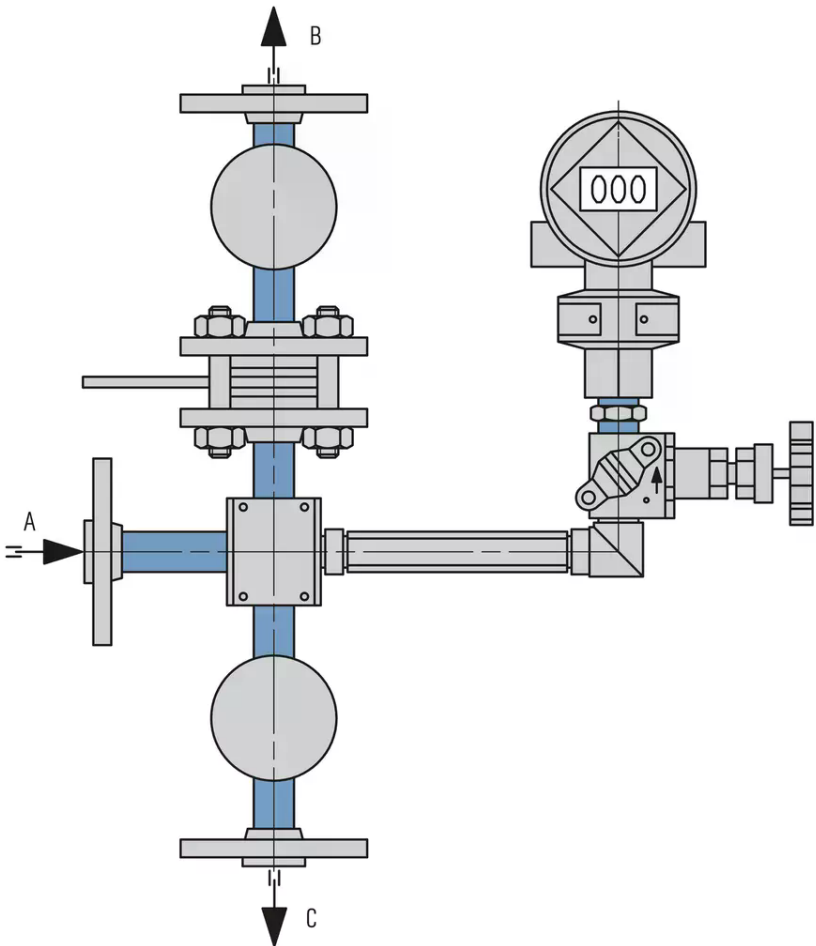
Recommended applications

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

Recommended piping plans

[API Plan 76](#)
[API Plan 66A](#)
[API Plan 66B](#)

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SPP6000A4

- A From mechanical seal
- B To vapor collection system
- C Drain

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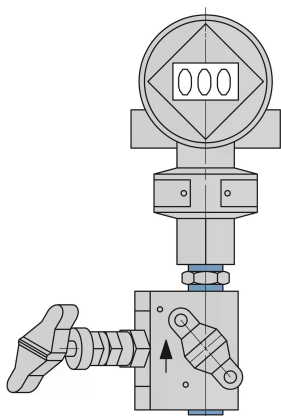
Installation, details, options

Product variants

Designation	SPP6006A4	SPP6006A4
Process connections	Flange 3/4", 600 lbs	Flange 3/4", 600 lbs
Pressure range	0 ... 55 bar(0 ... 798 PSI)	0 ... 55 bar(0 ... 798 PSI)
Calibration range ¹⁾	0 ... 16 bar(0 ... 232 PSI)	0 ... 40 bar(0 ... 580 PSI)
Allowable temperature ¹⁾	-29 °C ... +120 °C(-20 °F ... +248 °F)	-29 °C ... +120 °C(-20 °F ... +248 °F)
Wetted parts	316/316L	316/316L

Other versions on request.

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



SPP6 arrangement for configuration 1CW-FL and 1CW-FX