

- A – Pressure indicating transmitter
- B – Flow indicating transmitter
- C – Coalescing filter
- D – Pressure regulator
- E – Check valve
- F – Isolation valve
- G – Filter Drain valve
- H – Supply inlet
- I – Seal connection



Product Description

API 682 Plan 74 utilizes an external source to provide a clean pressurized barrier gas to a dual pressurized mechanical seal with minimal leakage across the primary sealing interface into the process stream. The GS 74 global standard system is a pre-engineered design to provide a best-practice solution to the overly complex design process between supplier and customer significantly reducing specification and delivery timescales.

Performance Capabilities

- Temperature: -20° to 65°C/-4° to 149°F
- Pressure: 34.5 bar /500 psi (design)
18 bar/260 psi (operation)
- Footprint: L x W x H: 560 mm x 262 mm x 557 mm/
22" x 10.375" x 21.875"

Design Features

- Best practice design to deliver clean and filtered barrier gas for optimal mechanical seal performance and centrifugal pump up time
- Assured correct differential pressure supplied to the mechanical seal
- Safeguards against the toughest environments and provides full containment of VOCs for zero-emission control
- Streamlined design to minimize footprint and obstruction
- Design modularity and specified component flexibility

- Quick delivery with lead times to meet or exceed your needs
- Mass flow transmitter as standard for greater accuracy at low flows and under fluctuating temperature conditions.

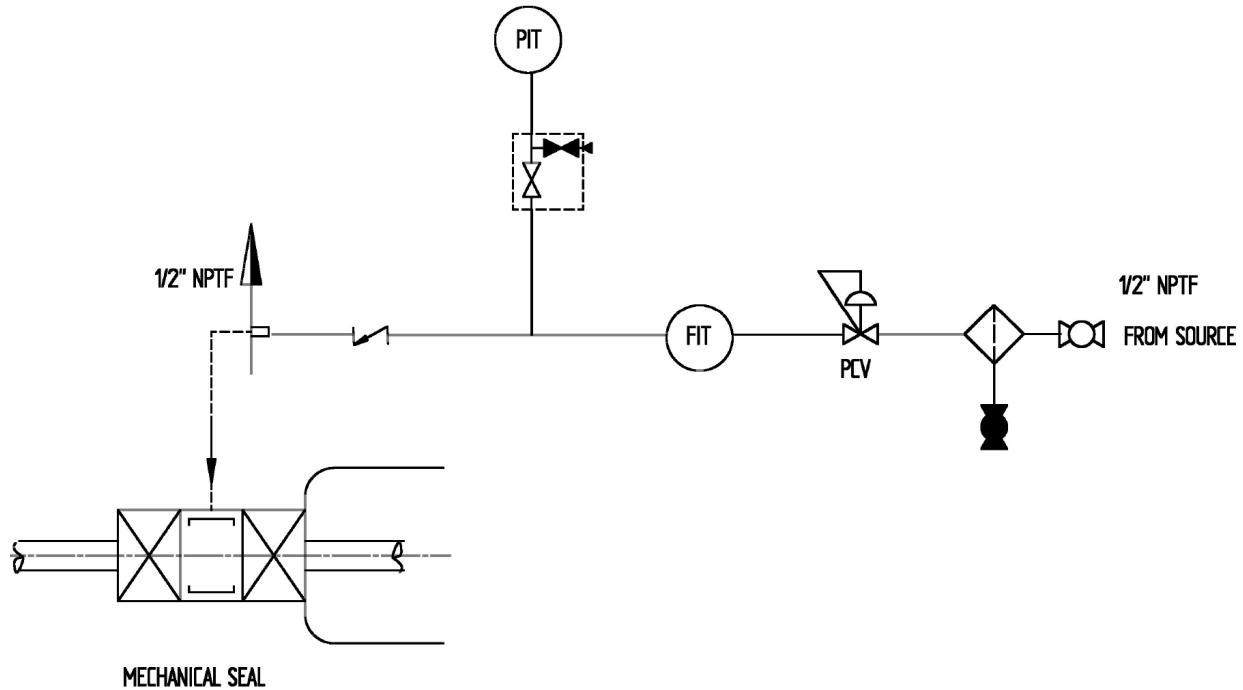
The GS 74 global standardized Plan 74 seal support system is a pre-engineered design that is already certified for regional qualifications. By providing clear component description and simplified selection criteria, customers receive an improved and faster process of doing business. The GS 74 is designed to deliver high reliability with long-term low cost of ownership.

Materials of Construction and Component Details

Seal Components	Materials/Description
Panel assembly	Panel: 304SS Tube and fittings: 316SS
Pressure indicating transmitter	316L wetted parts 4-20mA signal, HART protocol or Foundation Fieldbus Rated for explosive atmosphere zones*
Flow indicating transmitter	Mass flow type 316L wetted parts 4-20mA signal, HART protocol or Foundation Fieldbus Rated for explosive atmosphere zones*
Filter	316 SS
Check valve	316/L SS
Pressure regulator	316 SS

*Region specific

GS 74 Typical Arrangement



Options

Component	Alternate Option
Pressure transmitter	Pressure gauge Pressure switch and pressure gauge
Mass flow transmitter	Flow indicator Flow indicator and flow switch Variable area flow indicating transmitter



North America
United States of America
Tel: 1-847-967-2400

Europe
United Kingdom
Tel: 44-1753-224000

Latin America
Brazil
Tel: 55-11-3371-2500

Middle East & Africa
United Arab Emirates
Tel: 971-481-27800

Asia Pacific
Singapore
Tel: 65-6518-1800

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