

Gas Panel (PLAN 72/74)

DESCRIPTION

Plan 72 uses a gas as flushing fluid (usually nitrogen) injected at atmospheric pressure between the two seals, in order to dilute the process fluid emissions to the atmosphere and thus limit their impact. The inner mechanical seal works wet and is lubricated by the process fluid, while the external seal works dry (technology developed by Fluiten, called Fluigrad). This flushing plan can be used together with Plan 76 for fluids with vapor pressure higher than 1 bar, or with Plan 75 for fluids with both gaseous and liquid phases once in contact with (due to the heat generated by the rotating sealing surfaces). In case no emissions to atmosphere are permitted, Plan 74 must be considered.

PLAN 72/74 with container



PLAN 72/74 with panel



CONSTRUCTION FEATURES

- Panel mounting size and position of the components can be customized according to the customer's needs.
- Casing in AISI 316 (cabinet version).
- Equipped with double flow indicator (low and high) and pressure switch, to allow better operations control.
- Pressure indicator promotes local control by plant operators.
- Simple and compact design.

MAIN FUNCTIONS

- Dilution of process fluid leakage (Plan 72).
- Outer seal acts like a containment seal, working in wet conditions in case of inner seal failure (Plan 72), limiting process fluid emissions to atmosphere.
- No leakage of process fluid to atmosphere (Plan 74)
- If barrier gas is not available at needed pressure, Fluiten can supply a booster device (Plan 74).

