API PLAN 75

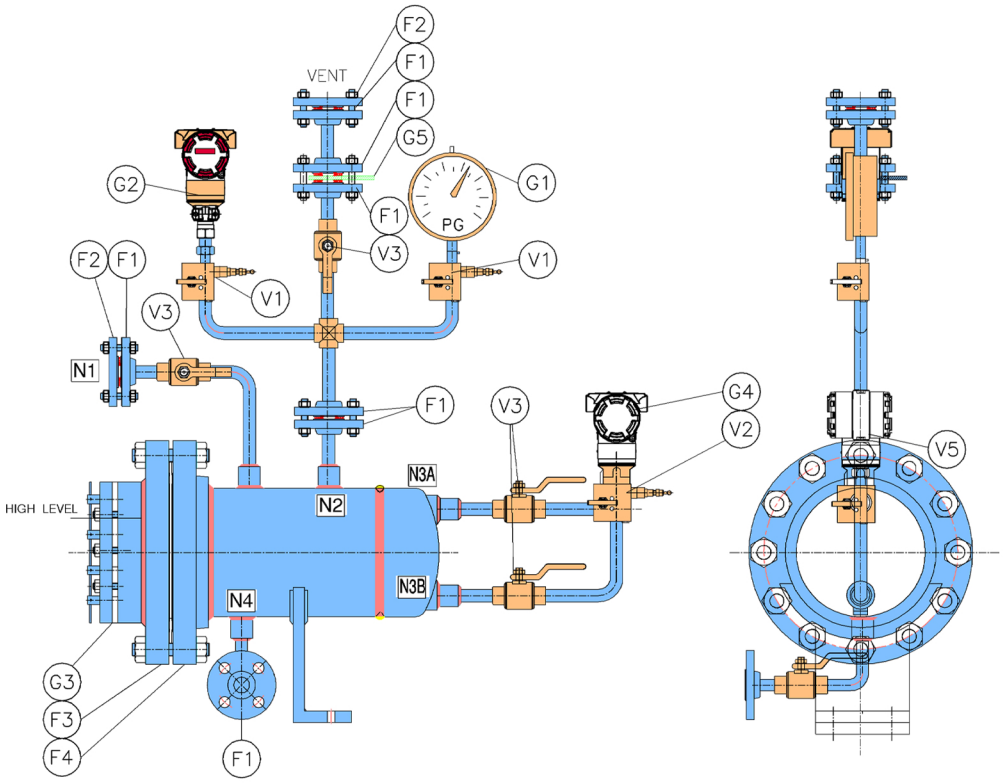
Seal Support System

Product Description

API Plan 75 consists of reservoir, weld-pad level gauge, level transmitter, pressure transmitter, orifice plate & fittings.

Objective

1.It is used to collect leakage for condensing or mixed phase leakage on arrangement 2 Seals.
2.This plan is used when pumped fluid condenses at ambient temperature
3.They are used on arrangement 2, unpressurised dual seals, which also utilizes a dry containment seal and where leakage from the inner seal may condense.



Advantages

1.Lower initial cost alternative to API Plan 52
2.Lower maintenance requirements and associated cost compared to liquid dual unpressurised seals that utilize reservoirs.

Technical Features

1.Leakage from the inner seal is restricted from escape by the contained seal and is routed in the drain line.
2.A level indicator on the collector is used to determine whether the collector needs to be drained.
3.The level transmitter will enable the user to monitor the liquid leakage rate.
4.An orifice plate in the outlet line restricts flow such that high leakage of the inner Seal will cause pressure increase & trigger the pressure transmitter to alarm at 0.7 bar (g)
5.The block valve serves to isolate the collector for maintenance. It may also be used to test the inner Seal by closing while pump is in operation.
6.A connection on the collector may be used to inject nitrogen or other gas for the purpose of testing the containment Seal.

Flanges	
F1	Flange
F2	Blind Flange
F3	Flange
F4	Flange

Instruments & Gauge	
G1	Pressure gauge
G2	Pressure Transmitter/Switch
G3	Level-Gauge
G4	Level-Transmiter
G5	Orifice-Plate

Valves	
V1	Two way Manifold valve
V2	Three way Manifold valve
V3	Ball Vavle