

# API PLAN 65A,65B

## Seal Support System

### Product Description

API Plan 65A consists of a reservoir, level transmitter, orifice plate and pipe fittings.

### Objective

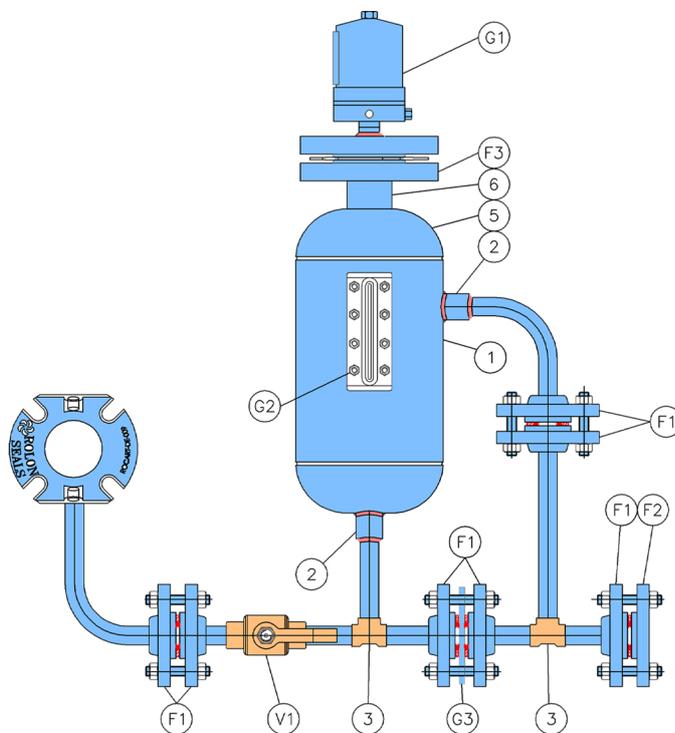
- 1.It is used as leakage collection & detection system for condensate leakage
- 2.This plan is used when pumped fluid condenses at ambient temperature

### Advantages

- 1.Leakage from single seal can be collected into a reservoir thereby keeping the environment clean
- 2.Compact in design
- 3.Leakage can be reused by the plant
- 4.Less expensive system
- 5.Detection of leakage system available to undergo planned maintenance.

### Technical Features

- 1.It is a leakage detection piping plan normally used with arrangement 1 seals where seal leakage is expected to mostly liquid (not gas)
- 2.Piping is connected to the drain connection in the gland plate and directs any seal leakage through a reservoir and then through an orifice, exiting into an oil & water sewer or liquid collection system.
- 3.Excessive flow rates would be restricted by the orifice plate located downstream of the reservoir and leakage will be redirected to the reservoir and then through an orifice, exiting into an oil & water sewer or liquid collection system.
- 4.The orifice plate with bore diameter 5mm shall be located in the vertical pipe leg to avoid accumulation of the fluid in the drain piping
- 5.A connection in the reservoir above the high level alarm is provided bypassing the orifice plate allowing excessive leakage to be effectively drained
6. An optional pressure transmitter can be provided to allow for monitoring the pressure increase in the system
- 7.Most effective when used with a floating or segmented bushing or a containment device in the seal gland
- 8.The reservoir shall be mounted below the seal gland to allow leakage to flow to the reservoir
- 9.API Plan 65B is exactly same as API Plan 65A except that normally closed isolation valve is used in place of the orifice plate



P.NO	Item Name
1	Vassel
2	Half Coupling
3	Tee
4	Name Plate
5	Dished End
6	Pipe

Valves	
F1	Ball Valve

Instruments & Gauges	
G1	Level Switch
G2	Level Gauge
G3	Orifice-Plate

Flanges	
F1	Flange
F2	Blind Flange
F3	Flange

### Scematic daigram

