Gipfel Engineering

ISO 9001-2015 CERTIFIED COMPANY

API PLAN 54

TYPE : GFE-SSS54

Specification:

Pressure: 120 Bars
Capacity: 400 litters
Temperature : -20 to +300 Deg. C
MOC: SS 316 (Coil), CS & SS (Tank)
Accessories: Ball Valves, Needle Valve, Valve Manifold, Tube Fittings, Pipi Fittings, Pump, Coupling, Motor, Accumulator

Application :

High vapour pressure fluids, light hydrocarbons, Hazardous/ toxic fluids, Heat transfer fluids, Dirty, Abrasive or polymerizing Fluids, for services where product dilution is acceptable, for services where media is unsuitable for lubricating the inner seal faces, For services where Plan 53A cannot be used due to non-availability of central pressure source, for applications with high pressure and/or high temperature or where an internal circulating device would not lead to effective circulation, for where a single system is utilized for multiple seals, Mixers, Agitators and Vacuum services etc.

Advantage:

- Isolate process fluid.
- Used with pressurized dual seals.
- Manual control of barrier fluid pressure.
- Pressurized barrier fluid circulation by external system.
- Suitable for a wide range of demanding operating conditions.
- Barrier fluid should be cool, clean, compatible and lubricating.
- Can provide pressurized flow to multiple seal installations to reduce costs.
- System can be dismantled: for optimum and simple cleaning of the system interior.
- Provides barrier liquid cooling and circulation even if the process pump is not active.
- Same as Plan 53A but provides constant pressure and flow through circulation system.
- Pressurized barrier fluid is always higher than the seal chamber pressure by at least 1-2 bar.
- Note that the loss of pressure in the system may cause the pumped media to enter the entire Plan 54 system.
- If used on multiple seal installations, failure of one installation can affect all of the other installations unless
- proper precautions are taken to isolate the failed seal.

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