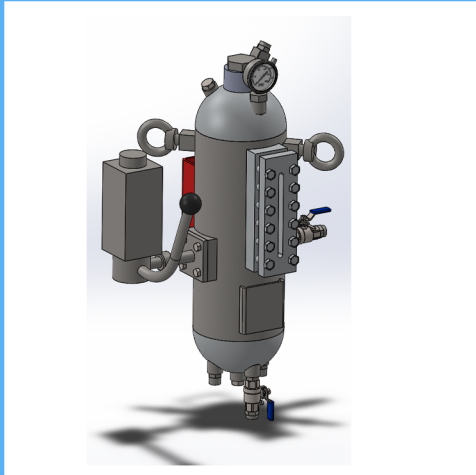


Thermosyphon Pot

Seal Support System



Product Description

A thermosyphon pot is a reservoir of either in carbon steel or stainless steel. The capacity of the reservoir is generally 10 Liters at normal liquid level (NLL). It can be equipped with or without cooling coil. It is provided with hand pump for the make-up of buffer or barrier liquid loss. Ports are available at the top dish end for connections of pressure gauge, pressure switch and level switch. Standard thermosyphon pot is available with weld type lever gauge.

Objective

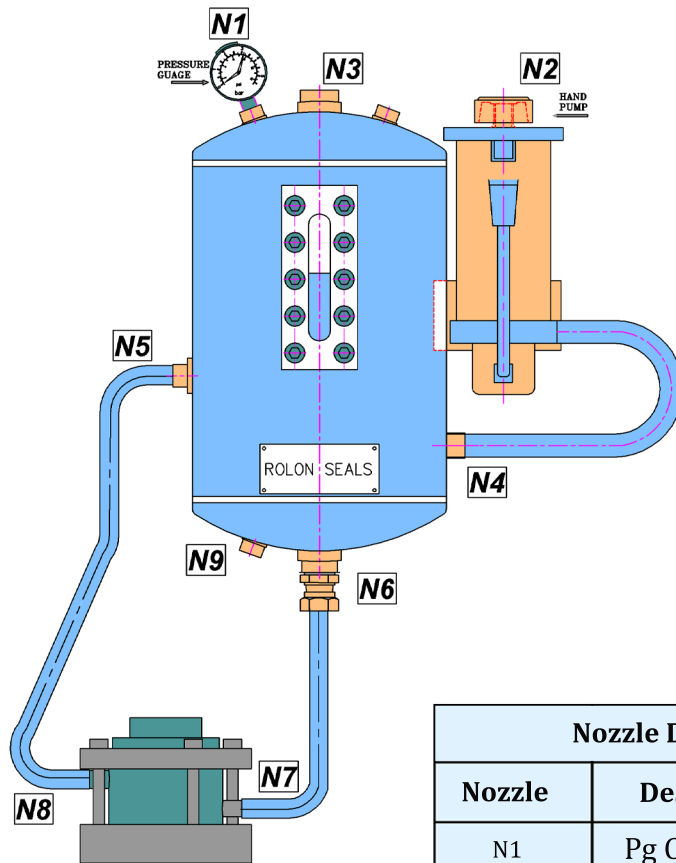
1. Thermosyphon Pot is used in double mechanical seals so as to supply external barrier liquid which eliminates the leakage of hazardous process liquid into atmosphere.
2. Due to convection current, thermosyphon pots used in double seals are used to take away the heat generated across the faces.
3. Thermosyphon Pots used in double seals with unpressurised buffer liquid acts as a quenching device which dissolve the solids particles when inner seal liquid leaks into the outer seal chamber

Advantages

1. Elimination of hazardous process liquid leakage
2. Better lubrication for the outer seals preventing dry-running
3. Process liquids which tends to solidify or icing can mix with buffer liquid in tandem arrangement.
4. Leakage can be compensated using hand pump
5. Acts as a coolant for the outer seals
6. Easily mounted on support and easily accessible for maintenance

Technical Features

1. Equipped with cooling coils with cooling water on coil side which takes away the heat generated by seal faces
2. Works on the principle of convection heat transfer method wherein the hot liquid rises up and cold liquid settles down.
3. Available with vent port to remove any entrapped gases from the system
4. Fitted with hand - pump for the make-up of buffer / barrier liquid leakage
5. Optional feature for pressure switch and level switch for monitoring of seal leakage
6. Available with fill connection & nitrogen pressurizing port
7. Weld-pad level gauge with borosilicate slight glass can be used for visual monitoring of liquid level in thermosyphon pot.
8. Can be mounted easily on stands with the help of mounting bracket welded on thermosyphon pots.
9. With seamless design, thermosyphon pots can be used upto 40 bar pressure and temperature upto 200 Deg.C



Nozzle Details

Nozzle	Description
N1	Pg Connection
N2	Vent/N2 Purging
N3	For level switch
N4	Hp.Conn./Check Valve
N5	Seal return line
N6	Seal Supply line
N7	Cooling in
N8	Cooling out
N9	Drain