

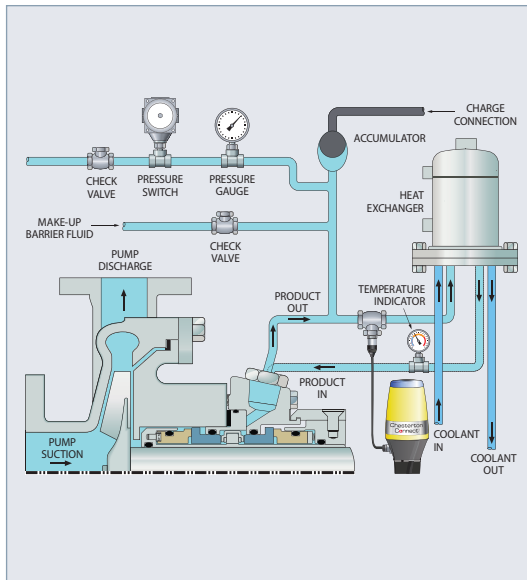
PLAN 53B

Closed Loop with Heat Exchanger and Accumulator

What Dual seal arrangement. A pressurized, external clean fluid is delivered to the seal via an external bladder-type accumulator. A heat exchanger can be used when specified to cool the fluid.

Why To cool the inboard and outboard seal faces; to provide clean lubrication to the inboard and outboard seal faces; to protect against solids penetrating and damaging the inboard seal faces.

When Used with hazardous products and/or products with high solids content; used when an automated Plan 53 is desired; used when sealing process fluids with low vapor pressure; used with low-viscosity, non-lubricating process fluids; used when the required barrier fluid pressure is higher than 10 bar (150 psi); prevents gas source from contaminating barrier fluid.



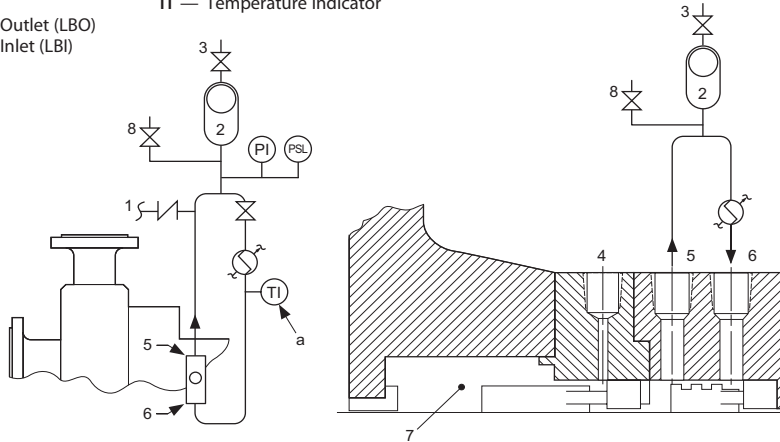
KEY

- 1 — Make-up Barrier Fluid
- 2 — Bladder Accumulator
- 3 — Bladder Charge Connection
- 4 — Flush (F)
- 5 — Liquid Barrier Outlet (LBO)
- 6 — Liquid Barrier Inlet (LBI)
- 7 — Seal Chamber

- 8 — Vent
- PI — Pressure Indicator
- PSL — Pressure Switch Low
- TI — Temperature Indicator

NOTES

- a — If specified



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