PRODUCT DATASHEET

Seal Oil and Barrier Fluid System (API 682)

API 682 seal support for pumps and compressors





DETAIL – SEAL POT RESERVOIR

OVERVIEW

The Tech Inc. Seal Oil and Barrier Fluid System supplies clean, cool barrier or buffer fluid to the mechanical seals of pumps and compressors, following the piping plans of API 682. It keeps the seal faces lubricated and pressurised, so process fluid stays inside the machine.

MODELS AND CONFIGURATIONS

- **Plan 52 / 53A** – seal pot reservoir, unpressurised or nitrogen-pressurised.
- **Plan 53B** – bladder accumulator with heat exchanger.
- **Plan 53C** – piston accumulator referenced to seal chamber pressure.
- **Plan 54** – external circulating system with pump, cooler and filter.

TYPICAL DESIGN DATA

Standard	Designed to API 682 piping plans, or client specification
Wetted materials	SS316, or to client specification
Instrumentation	Pressure and level transmitters or switches
Design code	Pressure parts designed to ASME VIII, or client specification

APPLICATIONS

Refinery and petrochemical pumps, pipeline pumps, compressors, chemical and pharma reactors with double seals.

KEY ADVANTAGES

- **Seal protection** – clean, cool barrier fluid at the right pressure
- **Right plan** – built to the API 682 plan the seal maker specifies
- **Turnaround-ready** – packaged and tested before the shutdown
- **Same build as our consoles** – pairs with our lube oil consoles and seal-gas skids

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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