

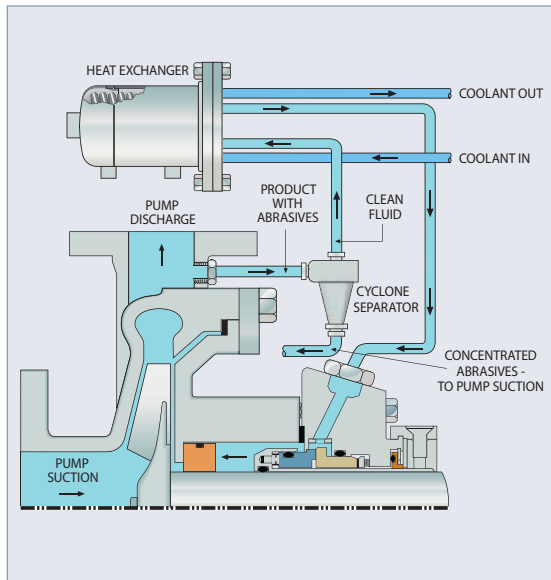
PLAN 41

Cooled Discharge Recirculation with Cyclone Separator

What Clean flush supplied from pump discharge through a separator, then cooled through a cooler.

Why To clean dirty process fluid and cool the process fluid to reduce seal clogging and provide cooling to the seal.

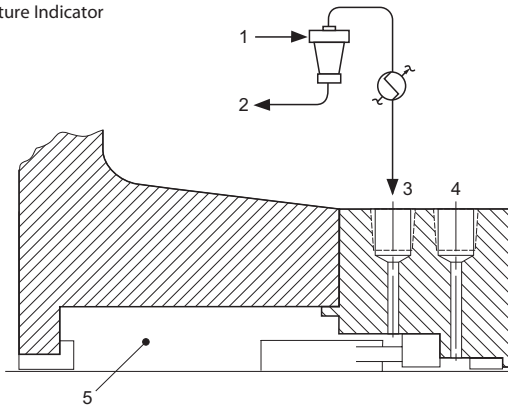
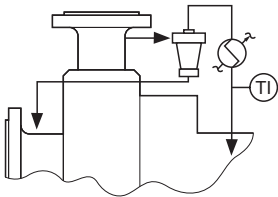
When Sealing dirty, hot process fluids.



KEY

- 1 — From Pump Discharge
- 2 — To Pump Suction
- 3 — Flush (F)

- 4 — Quench/Drain (Q/D)
- 5 — Seal Chamber
- TI — Temperature Indicator



Drawing reproduced from ANSI/API Standard 682, Third Edition, September 2004, courtesy of the American Petroleum Institute.