

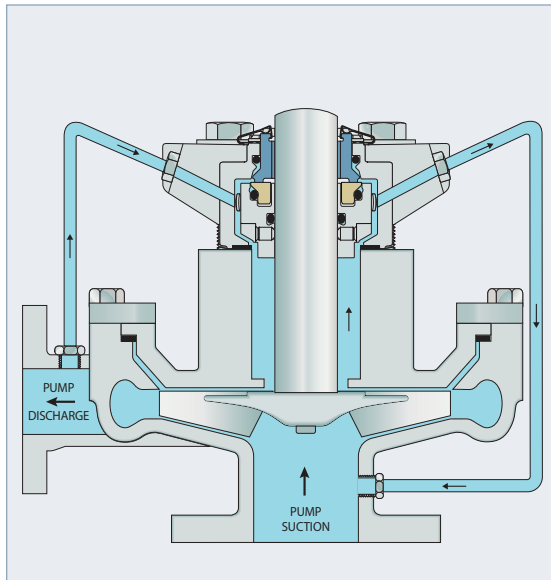
PLAN 14

Suction and Discharge Recirculation

What A combination of Plans 11 and 13. Recirculation from pump discharge through an orifice to the seal while also supplying a suction recirculation from the chamber through an orifice to pump suction.

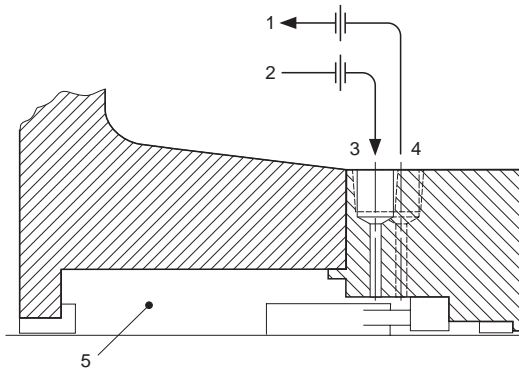
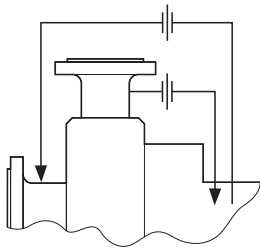
Why To promote flow through the seal chamber for cooling while also venting the seal chamber and lowering pressure.

When Hot applications operating at high pressures; most commonly found in vertical applications.



KEY

- 1 — To Pump Suction
- 2 — From Pump Discharge
- 3 — Flush Inlet (FI)
- 4 — Flush Outlet (FO)
- 5 — Seal Chamber



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