

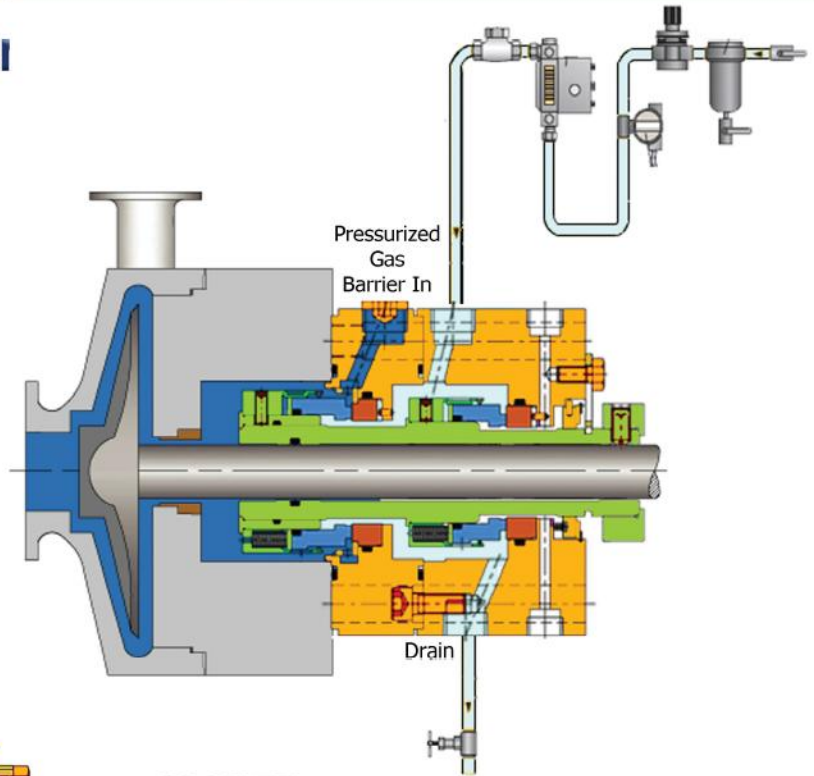


# MECHANICAL SEAL PIPING PLANS

## GAS SEALS PIPING PLAN

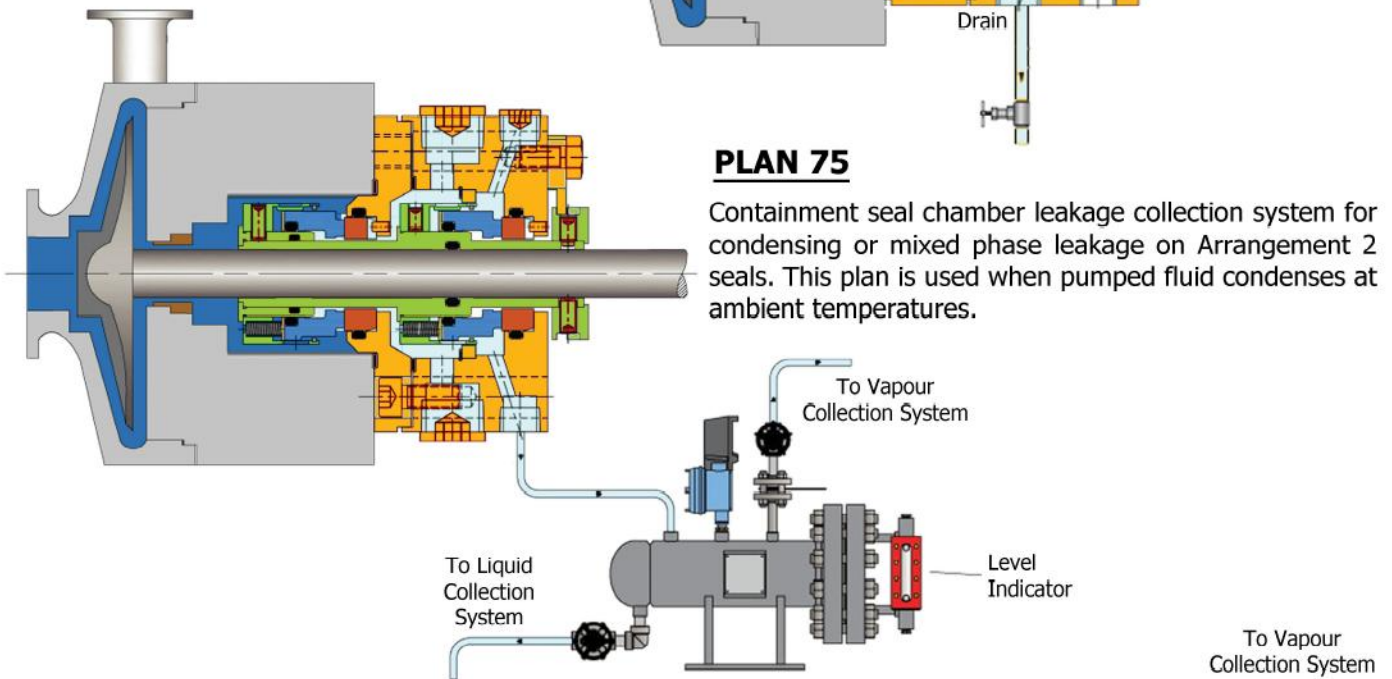
### PLAN 74

Externally supplied barrier gas for Arrangement 3 seals. Barrier gas is maintained at a pressure greater than seal chamber pressure. used on Arrangement 3, dual pressurized seals, where the barrier medium is a gas. The most common barrier gas is plant nitrogen. The supply pressure to the seal is typically at least 0.17 MPa (1.7 bar) (25 psi) greater than the seal chamber pressure.



### PLAN 75

Containment seal chamber leakage collection system for condensing or mixed phase leakage on Arrangement 2 seals. This plan is used when pumped fluid condenses at ambient temperatures.



### PLAN 76

Containment seal chamber drain for noncondensing leakage on Arrangement 2 seals. This plan is used if the pumped fluid does not condense at ambient temperatures. This system is supplied by the vendor. Used on Arrangement 2, unpressurized dual seals, which also utilize a dry containment seal and where leakage from the inner seal will not condense.

