

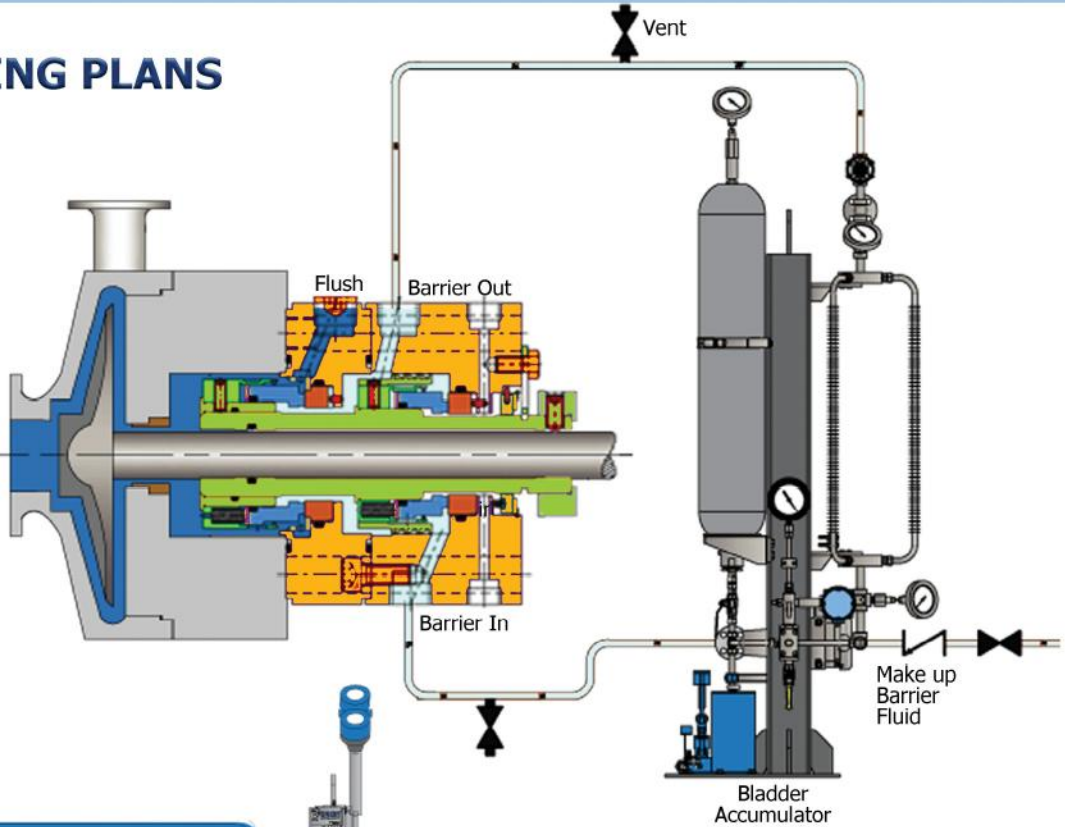


# MECHANICAL SEAL PIPING PLANS

## DUAL SEALS PIPING PLANS

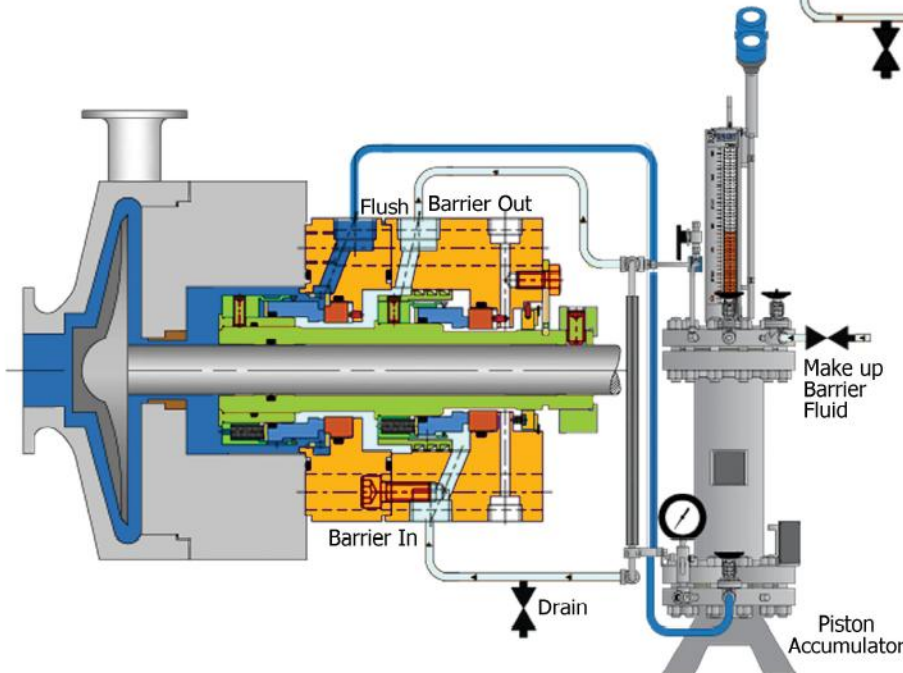
### PLAN 53B

External barrier fluid system pressurized by a bladder accumulator supplying clean liquid to the seal chamber. The accumulator and barrier liquid are maintained at a pressure greater than seal chamber pressure. Barrier liquid is circulated through the system by means of an internal circulating device.



### PLAN 53C

External barrier fluid system pressurized by a piston accumulator supplying clean liquid to the seal chamber. The barrier liquid is maintained at a pressure greater than seal chamber pressure. Barrier liquid is circulated through the system by means of an internal circulating device.



### PLAN 54

Pressurized external barrier fluid system supplying clean liquid to the barrier fluid seal chamber. Piping Plan 54 is used with Arrangement 3 liquid seals and the barrier liquid is maintained at a pressure greater than seal chamber pressure. Barrier liquid is circulated by an external pump or pressure system.

