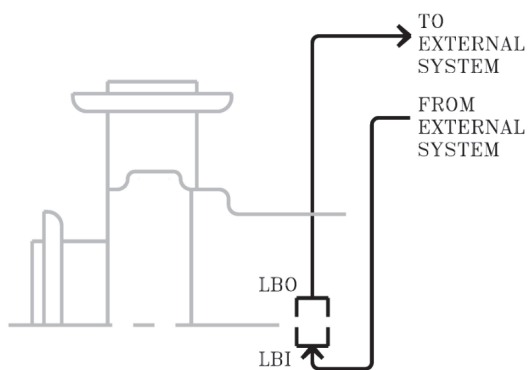


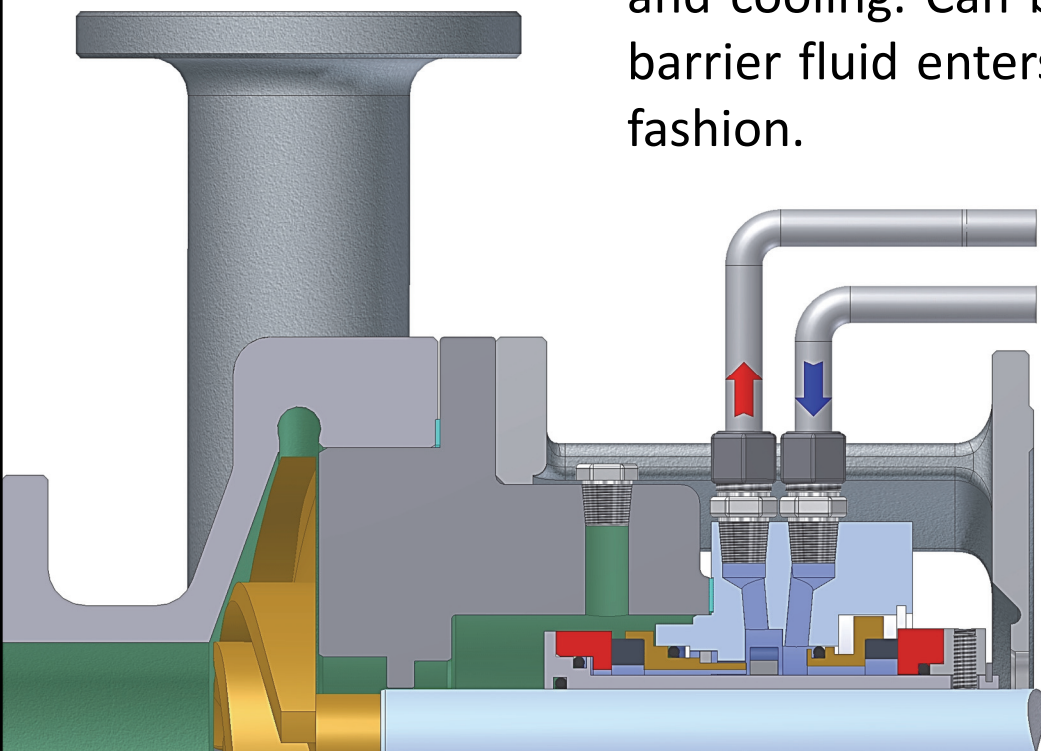
Plan 54



Description: Plan 54 is an external system supplying clean BARRIER fluid to an Arrangement 3 dual seal at greater pressure than the process pressure being sealed. Pressure and circulation are provided for by an external pump or pressure system.

Objective: Same as Plan 53A and will provide constant pressure and flow through circulation system.

Advantages: Same as Plan 53A but provides excellent circulation and cooling. Can be used on multiple seals to reduce cost. The barrier fluid enters the seal and exits in a once in and once out fashion.



Plan 55

Plan 55 is similar to Plan 54 except the system is supplying clean BUFFER fluid at less pressure than the process pressure being sealed, to an Arrangement 2 dual seal. No process contamination and improved cooling over Plan 52.