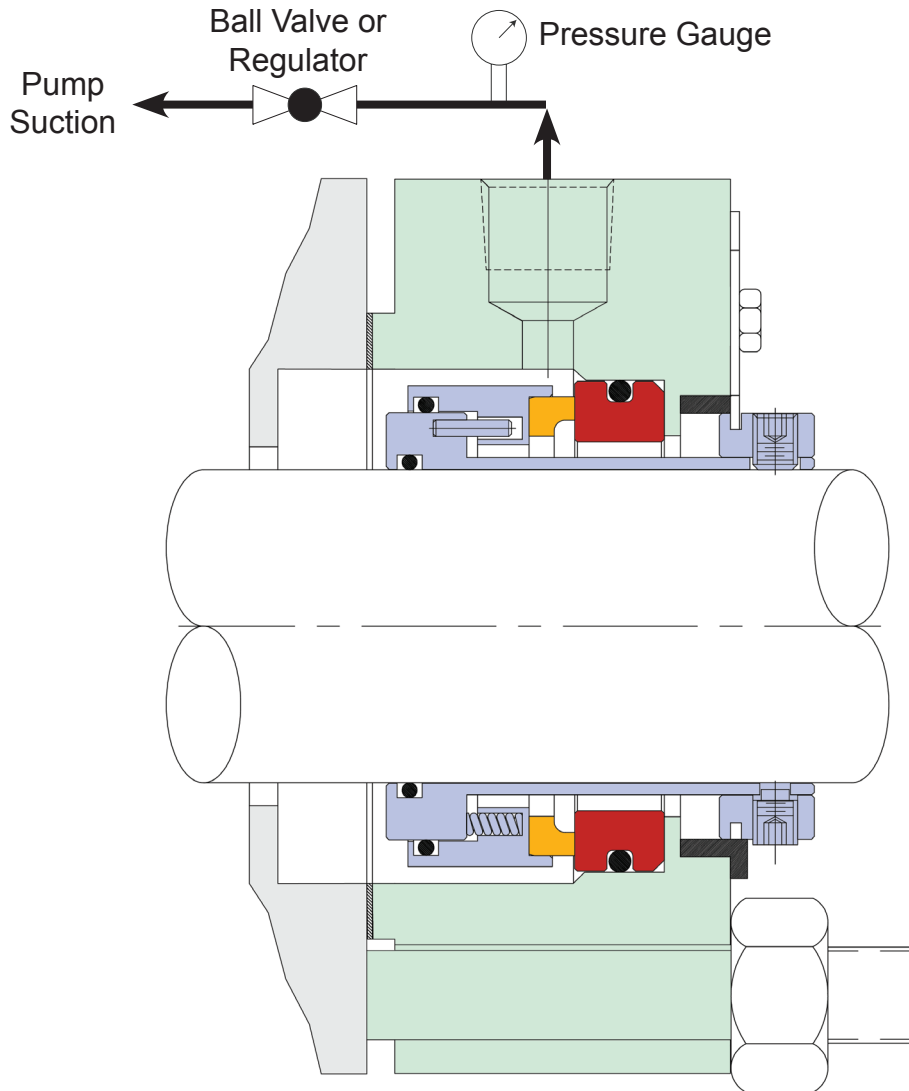


**INSTALLATION, SET-UP, AND MAINTENANCE OF
SINGLE CARTRIDGE MOUNTED SEALS USING
A SUCTION BY-PASS**



1. Follow installation instructions for SEPCO[®] single cartridge mounted seals. Most designs are equipped with (1) npt flush connection in the gland. The GEM seal is equipped with flush, vent & drain connections. CARE should be taken to insure by pass line is connected to flush connection and vent & drain connections are plugged. Failure to follow the installation checklist & procedure can result in premature seal failure.
2. Suction by-pass flushes are used on applications where relatively clean, lubricating liquids are being sealed and stuffing box pressure is at or near discharge pressure.
3. After the seal is installed on the pump, the pump is installed on line, and the flush line connected as specified, start the pump with the ball valve in the open position. Allow the pump to operate for 2 to 3 minutes. Completely close the ball valve and read the dead-head stuffing box gage pressure. Open the ball valve and regulate the gauge pressure 15-20 psi below dead head pressure.

API Plan 13
Recirculation from Seal
Chamber through
Orifice and Back to
Pump Suction

