



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

1. Follow installation instructions for SEPCO<sup>®</sup> 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. Discharge by-pass flushes are used on applications where relatively clean, lubricating liquids are being sealed.
3. After the seal is installed on the pump, the pump is installed on line, and the flush line connected as specified, start pump operating under normal conditions. Regulate bypass flush pressure 15-20 psig over stuffing box pressure.

**Plan 11**  
Recirculation from  
Pump Case Through  
Orifice to Seal

