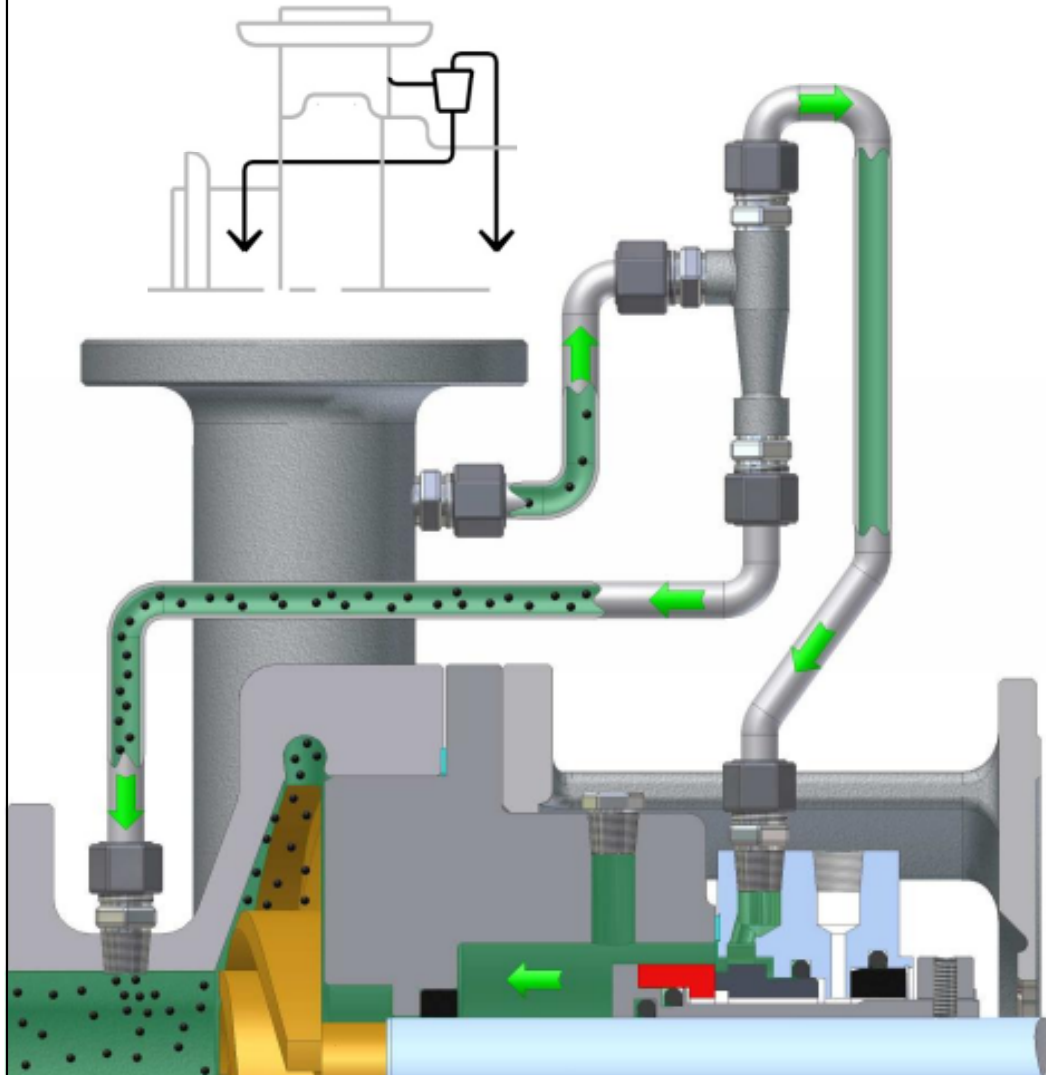


Plan 31



Description: Plan 31 is recirculation from pump discharge through a CYCLONE SEPARATOR, sending clean flush into the seal chamber and heavy particles back to pump suction.

Objective: Dissipate seal generated heat and vent the seal chamber at start-up. Remove solids from the seal flush and seal chamber.

Advantages: Raises the pressure in the stuffing box while preventing erosion to the seal from abrasive processes. Works best for solids with a specific gravity twice the process fluid.