Vacuflo Diagram

STAGE 2

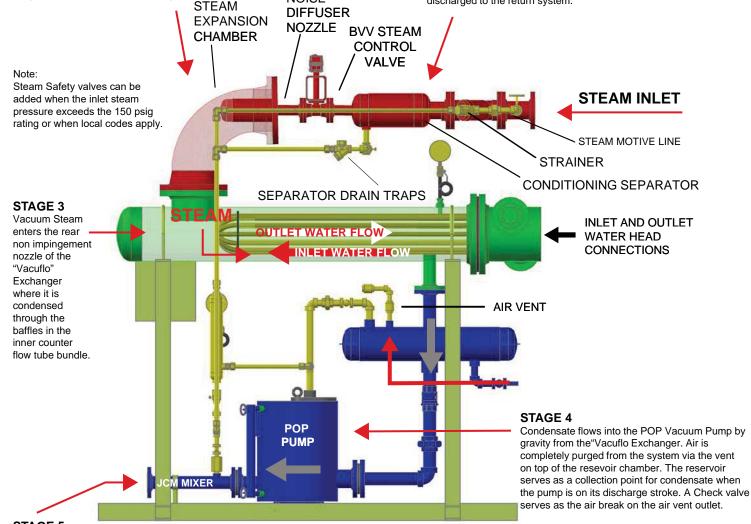
The conditioned steam flows through the BVV Steam Control Valve into the inlet diffuser nozzle.

The BVV Value controls the steam pressure into the shell using a unique vacuum pilot, and the outlet water (fluid) with the electronic pilot. The steam flows through the small orifices in the diffuser reducing noise and velocity into the inlet expansion chamber where the vacuum steam state begins. The BVV Control Valve system senses the pressure in the expansion nozzle and precisely modulates the steam flow to meet temperature demand and vacuum pressure.

HOW VACUFLO WORKS

STAGE 1

Steam enters the steam conditioning section where it passes through the inlet strainer and into the steam conditioning separator where all entrained condensate and moisture are removed and condensate is discharged to the return system.



NOISE

STAGE 5

All condensate from the higher pressure traps is piped to the JCM Condensate Mixer where it is condensed below flash before discharge eliminating thermal hammer.

NOTE: JCM Mixers eliminate flash steam hammer in the condensate system.