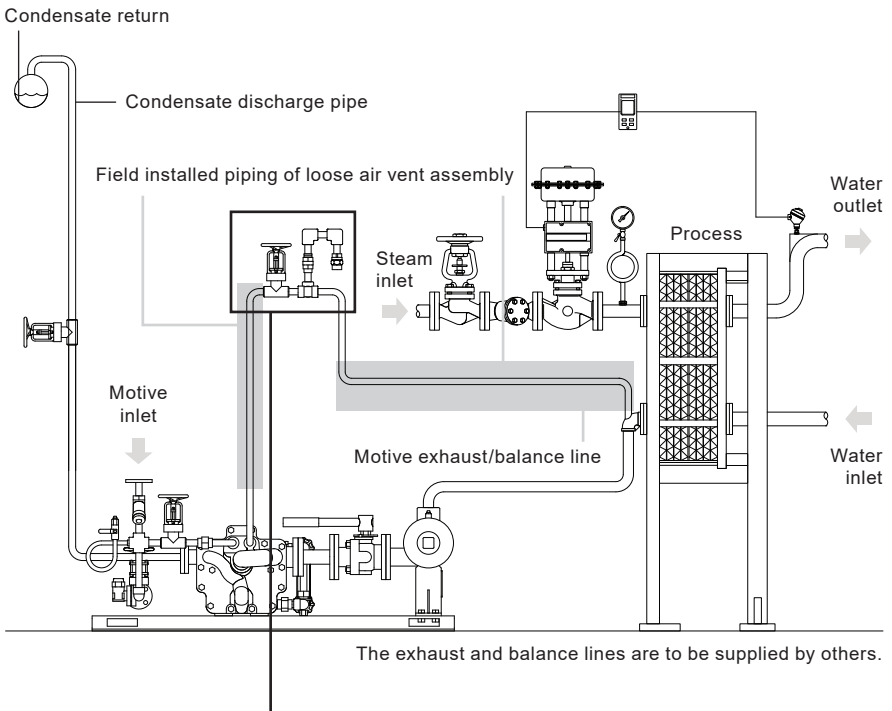


APT10, APT14, APT14HC, and APT14SHC (Closed System)

Automatic Pump-Trap Packaged Units Supplementary Installation Information for Air Vent Assembly(s)



Intended Installation

Thought should be given to the location of the air vent assembly prior to installation and commissioning of any APT Pump-Trap Package unit to ensure proper function. The motive exhaust and balance line, highlighted in grey, serves two purposes:

- Firstly, to vent the motive steam and relieve pressure in the pump-trap body, ending the pumping cycle. This allows the pump body to refill with fresh condensate. It is imperative that the balance line is fed back to the outlet of the process to ensure proper balancing, effectively completing the closed loop system, and allowing the pump-trap to operate when the process is under vacuum conditions ('stall condition').
- Secondly, a take-off from the balance line is required to install the air vent assembly kit (supplied loose), check valve and ball valve. This allows any air or non-condensable gases to vent from the system. Care must be taken to ensure that the air vent is situated at a height above that of the inlet to the process (see above).