

CASE STUDY

A Major Refinery in Western India



Problem

- Condensate carry over with steam at the pump seal
- Solids build up on atmospheric side of seal

Objective

To reduce pump seal failure by controlling pressure and removing condensate to ensure dry steam reaches the pump seal.

Solution

Installation of self-acting pressure reducing valve and moisture separator all in one module in the quenching steam supply line, for precise control as per API norms.

Benefits

- Dry and saturated steam to quench the pump seal preventing failure due to thermal expansion
- Precise control of pressure and temperature
- Easy removal of condensate deposited in the drain pocket
- Enhanced reliability of operation
- Reduced cost of ownership
- Saving in maintenance costs and running costs.