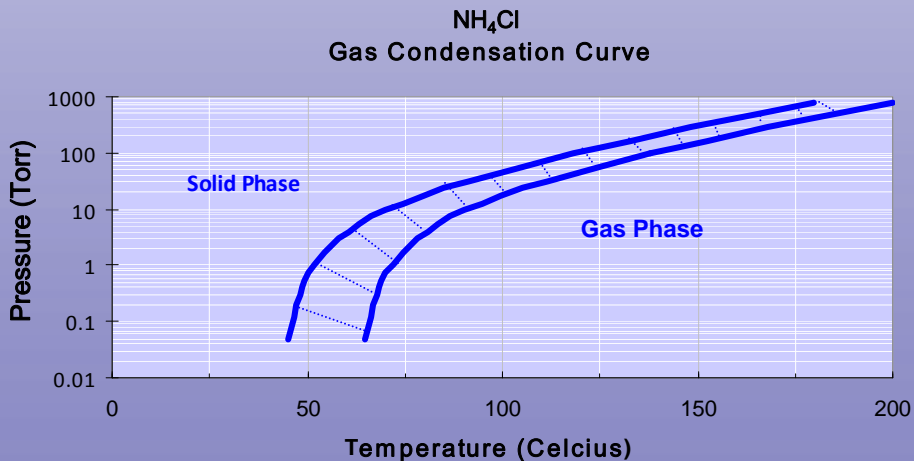
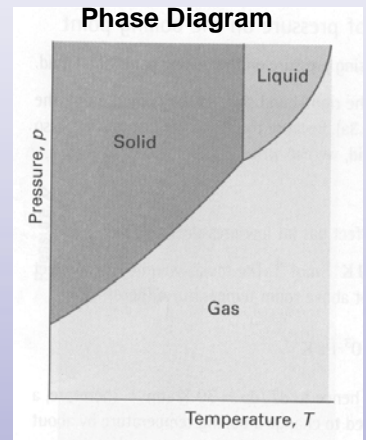


Problem: Shortened pump life due to by-product sublimation

Sublimation (n) – a change directly from the gaseous to the solid state without becoming a liquid.

Sublimation occurs at low pressure, which is problematic in high-vacuum applications. By-product sublimation leads to pump seizures and dramatically reduces pump life.





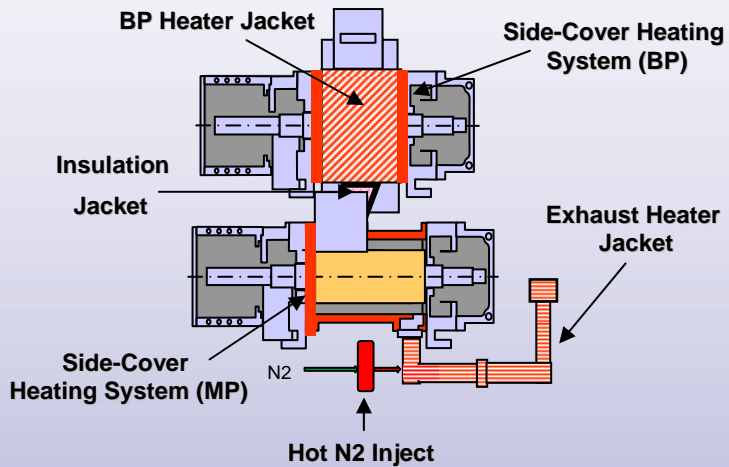
EST Series Pump **Hottest** in the Market

Solution: Ebara's EST Series Dry Vacuum Pump

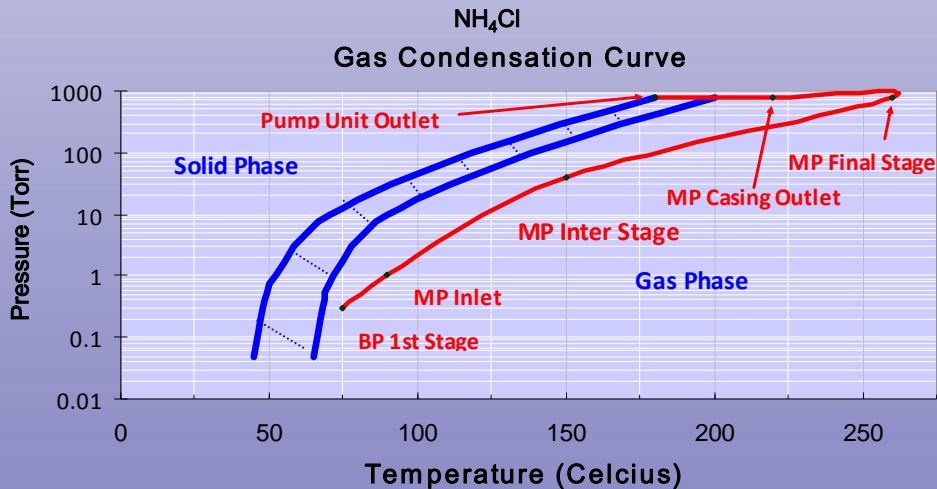
EBARA has eliminated cooling sections within pump module to equalize and increase temperature in gas passage areas.

EBARA EST Series integrates the following options to raise/maintain gas temperature

- Option 1. : Booster Pump Heater Jacket
- Option 2. : Exhaust Heater Jacket
- Option 4. : Side-cover Heating System (→ EST—WN—XHT series)
- Option 5. : HOT N2 supply kit



Results: No by-product build up in vacuum pump due to sublimation



EBARA's EST Series pumps keeps substances in their gaseous phase during pumping, which reduces by product sublimation and increase pump life.

No By-Product build up in vacuum pump increasing process tool availability

