



ADCA*Mat*

**PRESSURE
OPERATED PUMPS
AND PUMP TRAPS**

PUMPS AND PUMP TRAPS / COMPLETE RANGE

/ WHAT IS A MECHANICAL PUMP ?

A mechanical pump consists in a body shell, into which condensation flows by gravity. The body contains a float mechanism, which operates a set of changeover valves, allowing the transfer of the liquid to a higher elevation or pressure.

The pump can be operated by steam, compressed air or gas and can be used for lifting any kind of non corrosive liquids compatible with the construction materials and working principle.

ADCAMAT POP (PRESSURE OPERATED PUMP) WORKING PRINCIPLE

1. Liquid flows by gravity into the pump through an inlet check valve, lifting the float. At this point, the motive fluid intake valve is closed while the vent valve is open.
2. As the float reaches its higher position the motive fluid intake valve opens and the vent valve closes, allowing the motive fluid to enter the pump body.
3. The pressure in the pump builds up just enough to overcome back pressure.
4. The pressurized liquid opens the outlet check valve and the discharge starts. (The liquid discharged may be quantified through a special counter, enabling the pump to function as a reliable flow meter).
5. When the float reaches its lower position the motive fluid intake valve closes and the vent valve opens allowing the liquid to fill the pump once again, repeating the cycle.

/ ADCAMAT POP-S CARBON STEEL & POP-SS STAINLESS STEEL PUMPS DN25 TO DN100



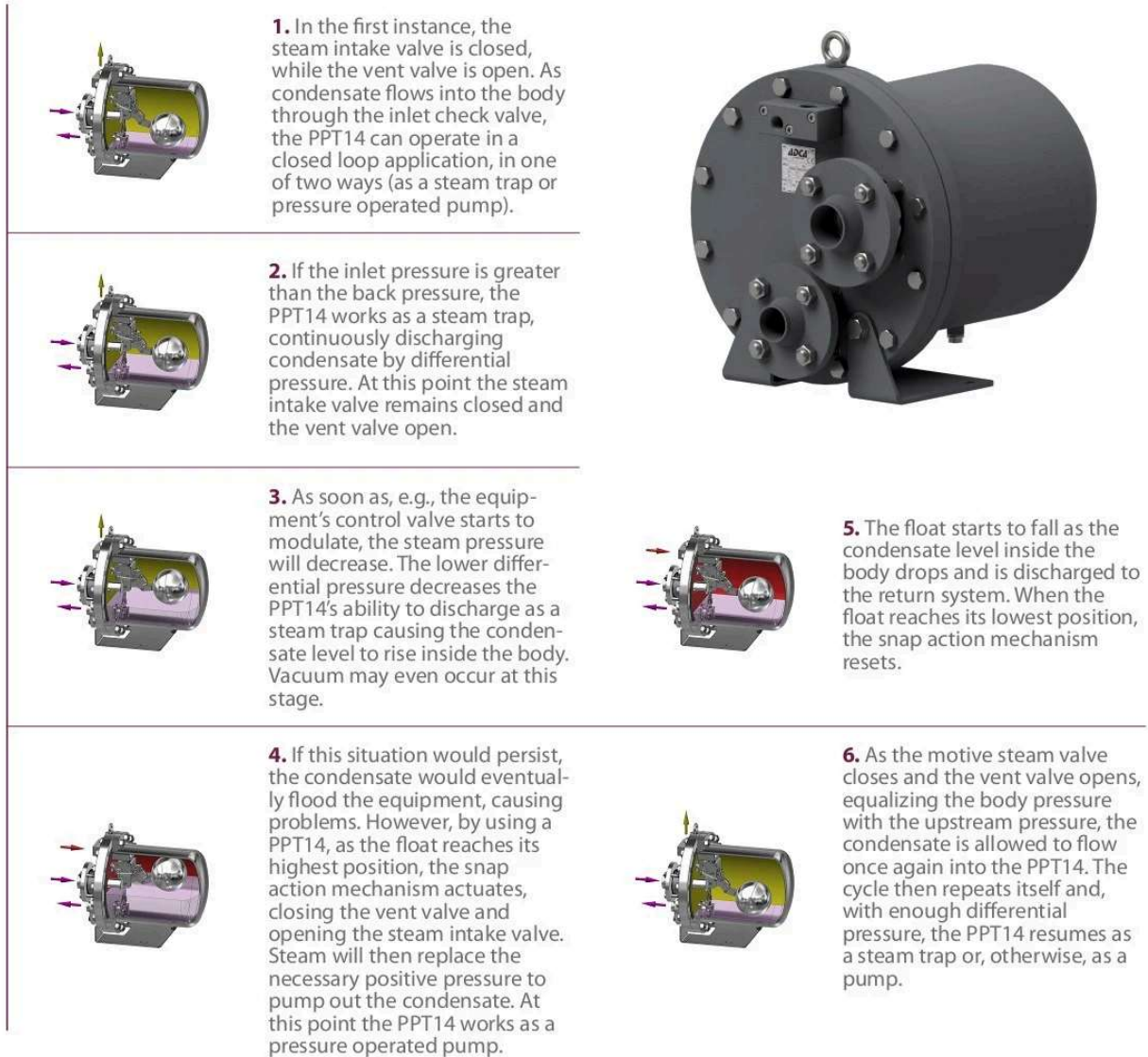
/ ADCAMAT PACKAGED PUMP SIMPLEX, DUPLEX & TRIPLEX UNITS



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AUTOMATIC PUMP TRAP / WORKING PRINCIPLE

/ ADCAMAT PPT14S CARBON STEEL & PPT14SS STAINLESS STEEL PUMP TRAPS



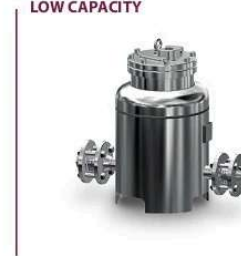
/ POP-S DN100 PUMP



/ PPA-312 PUMP



/ POP-LC PUMP LOW CAPACITY



/ APST-S PUMP



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Find out more:

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We deliver groundbreaking solutions to practically all kinds of industries, in more than 80 countries from the 5 continents.



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