



CONDENSATE RECOVERY PUMP

MODEL CP-N

LOW NPSHr PUMP WITH HIGH DISCHARGE HEAD AND HIGH INLET TEMPERATURE CAPABILITY

Benefits

Ejector type pumps deliver reliable and economical high temperature condensate recovery.

1. Ability to return condensate generated in steam equipment directly to the boiler lowers radiant losses and provides maximum energy gain.
2. Eliminates need for a separate condensate recovery tank, thus lowers installation costs.
3. Low NPSHr pumps do not require high fill head, thereby enabling usage in virtually all applications near grade level.
4. High temperature condensate return up to 355 °F minimizes the operating costs normally associated with heating and deaeration of colder boiler feed water.
5. Pumps high temperature condensate at high discharge pressures without cavitation thus solving many severe service application requirements.
6. High discharge capacities avert the need for multiple pumps.
7. Pump provides continuous operation without cavitation in low NPSHa installations.



CAUTION DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE. Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY.

Specifications

| | |
|--|-----------------|
| Model | CP-N |
| Maximum Operating Temperature (°F) | 356 |
| Motor Power Source (V) | 240/480 3 phase |
| Frequency (Hz) | 60 |
| Programmable Controller Power Source (V) | 100/200 |
| Shaft Seal | Mechanical |
| Pump Discharge Head (ft) | 165–655 |
| Pump Discharge Capacity (ft ³ /h) | 105–530 |

Note: For NEMA/UL standards, contact TLV



To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

| No. | Description | Material* | ASTM/AISI** | JIS |
|-----|------------------------|-----------------|-------------|--------|
| ① | Pump Unit | Steel/Cast Iron | — | — |
| ② | Motor | — | — | — |
| ③ | Ejector | Carbon Steel | A53 Gr.A | STPG37 |
| ④ | Pressure Control Valve | Cast Steel | A216 Gr.WCB | — |
| ⑤ | Pressure Switch | — | — | — |
| ⑥ | Water Level Detector | Carbon Steel | AISI1025 | S25C |
| ⑦ | Air Release Valve | Stainless Steel | A351 Gr.CF8 | SCS13 |

* Material may change according type of CPN ** Equivalent



