

CUP-CEP

MULTI-STAGE BOWL TYPE DIFFUSER PUMP

PUMP OVERVIEW

The ClydeUnion Pumps Condensate Extraction Pump (CUP-CEP) is a vertically suspended, mixed flow, bowl pump range designed specifically for the requirements of the power generation industry.

The pumps can be configured with either above or below floor suction to suit specific plant design considerations. Additionally, the full range of pumps can be provided with either a single or double suction inlet stage to closely match your site NPSH, thereby optimizing the solution provided.



TYPICAL APPLICATIONS

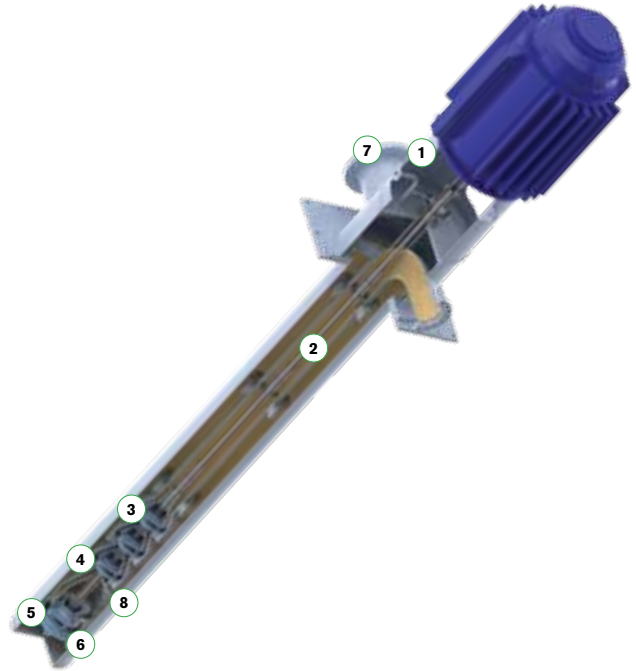
- Condensate extraction
- Heater drains

TECHNICAL DATA

Capacity:	up to 13,200 USgpm / 3,000 m ³ /hr
Delivery head:	up to 1,480 ft / 450 m
Temperature:	up to 185 °F / 85 °C
Speeds:	up to 1,800 rpm

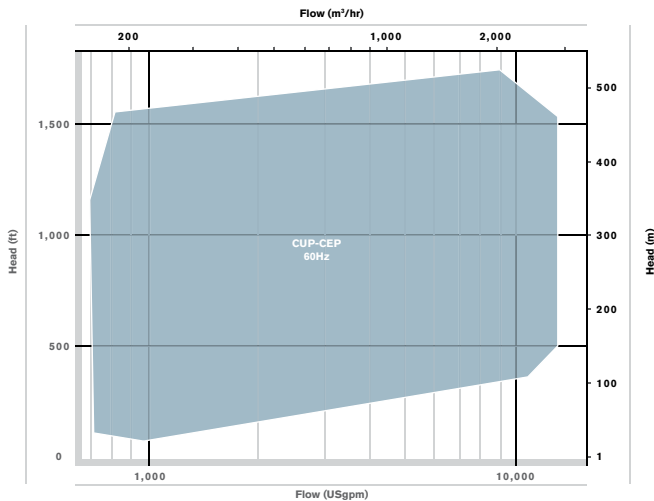
FEATURES + BENEFITS

- 1 **Canister + seal venting**
Common seal and canister vent connection. Simplified pipe arrangement
- 2 **Lineshaft coupling**
Flangeless coupling secured over the shaft ends and located via keys over the shaft
- 3 **Standard wear ring fitment to pump end**
Optimum efficiency can be maintained by replacing bowl wear ring if required
- 4 **Hydraulic design**
Flexible impeller and bowl combinations for optimized range coverage and efficient hydraulic performance
- 5 **Optimized suction performance**
Available as single entry or double entry depending on NPSH
- 6 **Centralizing webs**
Standard across full range. Guides pump into the central position providing ease of assembly
- 7 **Suction nozzle**
Above or below floor suction options. Located in headpiece or canister
- 8 **Sleeved impeller retention**
Impellers are retained by sleeves and positively secured by a locking nut mechanism. Impellers can be removed more easily at overhaul

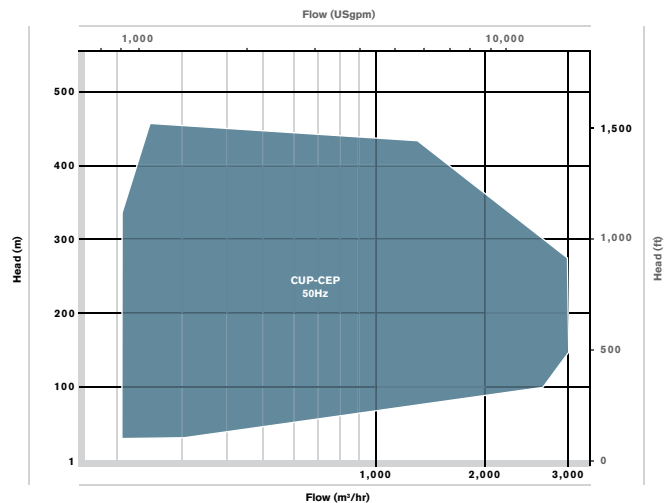


RANGE COVERAGE CHARTS

60HZ RANGE CHART



50HZ RANGE CHART



These charts cover the standard pump range. Other engineering designs exist for extreme applications