**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 optimising the solution provided.

**TYPICAL APPLICATIONS**

- Condensate extraction
- Heater drains

**TECHNICAL DATA**

- **Capacity:** up to 3,000 m³/hr / 13,200 USgpm
- **Delivery head:** up to 450 m / 1,480 ft
- **Temperature:** up to 85 °C / 185 °F
- **Speeds:** up to 1,800 rpm
FEATUR ES + 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 optimised range coverage and efficient hydraulic performance

5. **Optimised suction performance**
   Available as single entry or double entry depending on NPSH

6. **Centralising 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

**50Hz RANGE CHART**

**60Hz RANGE CHART**

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