

Horizontal Metallic Coupled Pump (End-Suction Process Pump)

TYPE : HC-1120

Casing & Impeller :

- Cast Iron / Cast Steel / SS 304 / SS 316 / Bronze / Duplex SS / Alloy 20

Shaft & Sleeve :

- SS 410 / SS 304 / SS 316 / Duplex SS / Hastelloy / Ceramic-Coated Sleeve

Shaft Sealing :

- Gland Packing / Single Mechanical Seal / Cartridge Seal / Double Seal

Operating Limits :

Size : 25 mm to 250 mm / 1.000" to 10.000"

Speed : 1450 to 3500 rpm

Pressure : Up to 16 bars (232 psi)

Temperature : -30 °C to +140 °C (-22 °F to +284 °F)

Application :

- Chemical & Petrochemical Plants
- Steel & Power Plant Utility Systems
- Drainage & Water Extraction Plants
- Pulp & Paper Liquid Transfer
- Refineries & Condensate Handling
- Civil, Industrial & Fire-Fighting Systems
- Process Transfer & Circulation
- Shipbuilding & Marine Auxiliary Duties
- Effluent Treatment & Wastewater
- Food, Beverage, Sugar & Biodiesel Plants
- Desalination & RO Support Service



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Features :

- **Standard Flanges** for suction and discharge.
- **Performance & Dimensions** comply with ISO 2858.
- **Impellers Dynamically Balanced** to grade 6.3 of ISO 1940.
- **Gland Packing or Mechanical Seal** shaft sealing options.
- **Back Pull-Out Design** for reduced maintenance downtime.
- **Rigid Bearing Housing** for stable rotation and longer seal life.
- **Horizontal Coupled Arrangement** for independent pump and motor service.
- **Heavy-Duty Metallic Construction** for process and utility duties.

➤ **DIMENSIONS AND PUMP CURVES ON REQUEST**