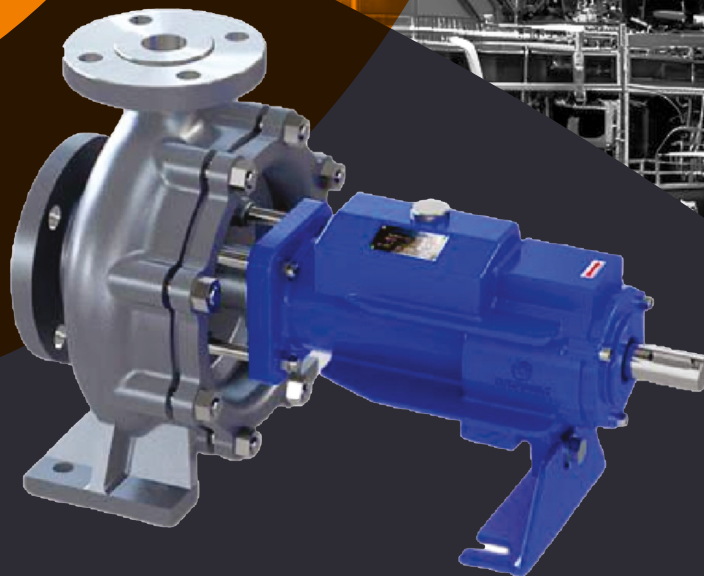


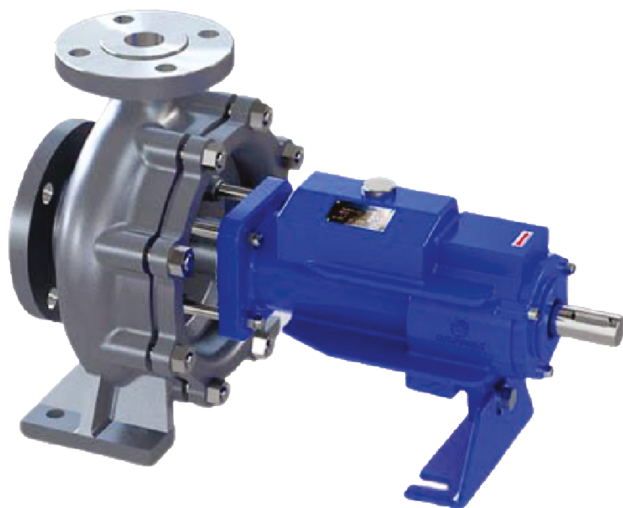


BAJRANG
ENGINEERS

BAC SERIES : AIR COOLED PUMP



BAC SERIES

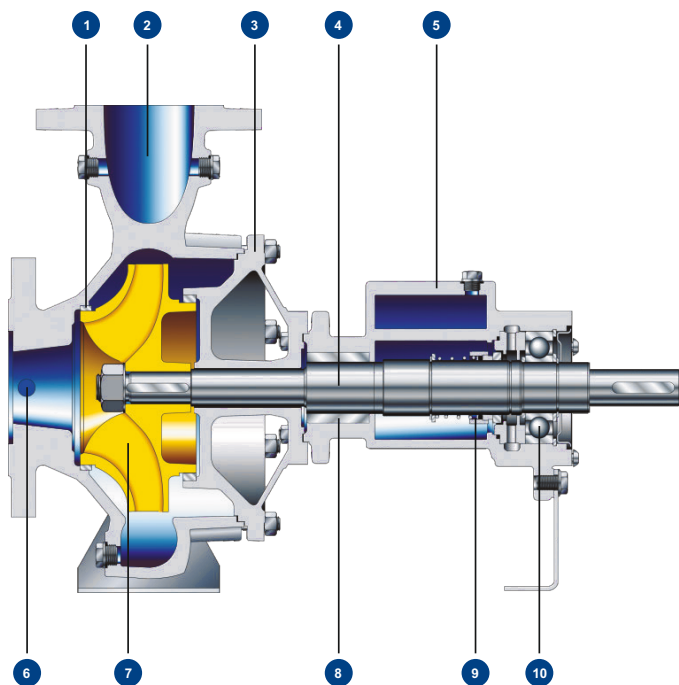


SPECIFICATION :

Capacity	Up to 270 M3/hr.
Head	Up to 80 Mtr.
Discharge	40 mm to 200 mm
Temperature	Up to 350°C
Speed	Up to 3500 rpm
Pressure	Up to 4.5 kg/cm ²
M.O.C	

APPLICATION :

- ✓ Chemical and petrochemical processing industries
- ✓ Paper mills, sugar mills etc
- ✓ Food and pharmaceutical industries
- ✓ Leather industries
- ✓ Manufacturing of plastic and synthetic fiber material
- ✓ Rubber industries
- ✓ For heating of baking ovens
- ✓ Textile plants
- ✓ Laundries
- ✓ All heat transfer application up to 350°C



1. CLEARANCE GAP

2. DISCHARGE NOZZEL

3. CASING COVER

4. SHAFT

5. BEARING HOUSING

6. SUCTION NOZZLE

7. IMPELLER

8. PLAIN BEARING

9. SHAFT SEAL

10. BEARING, DRIVE END

GENERAL SPECIFICATIONS

Main applications

- ✓ Heat transfer systems
- ✓ Hot water circulation

Fluids handled

- ✓ High temperature hot water
- ✓ Thermal oil

"The high-temperature thermic fluid pump" for moving heat-transfer oils under high-temperature conditions. Thermic Fluid Pump is also known as hot oil circulating pump. It provides the best solution to get a better control of leakages and saves energy.

Design :

- ✓ The pump is designed with an axial fluid inlet and a radial outlet.
- ✓ The hydraulic system runs in its own bearings and is connected to the motor by a shaft coupling.
- ✓ Back pull out design.
- ✓ Horizontal installation.
- ✓ Single-stage.
- ✓ Casing with integrally cast pump feet.
- ✓ Cooling Fins (Air-Cooled) are provided to eliminate use of External Cooling Systems.

Sealing :

The pump is sealed by a standardised mechanical seal. If the pump is fitted with a double mechanical seal, the pump is connected to a quench pot. The unpressurised quench liquid supply serves to prevent any leakage of the pumped fluid to atmosphere. It also prevents any contact between the fluid and the lubricating grease of the rolling element bearing, especially for fluids which have a tendency to creep.

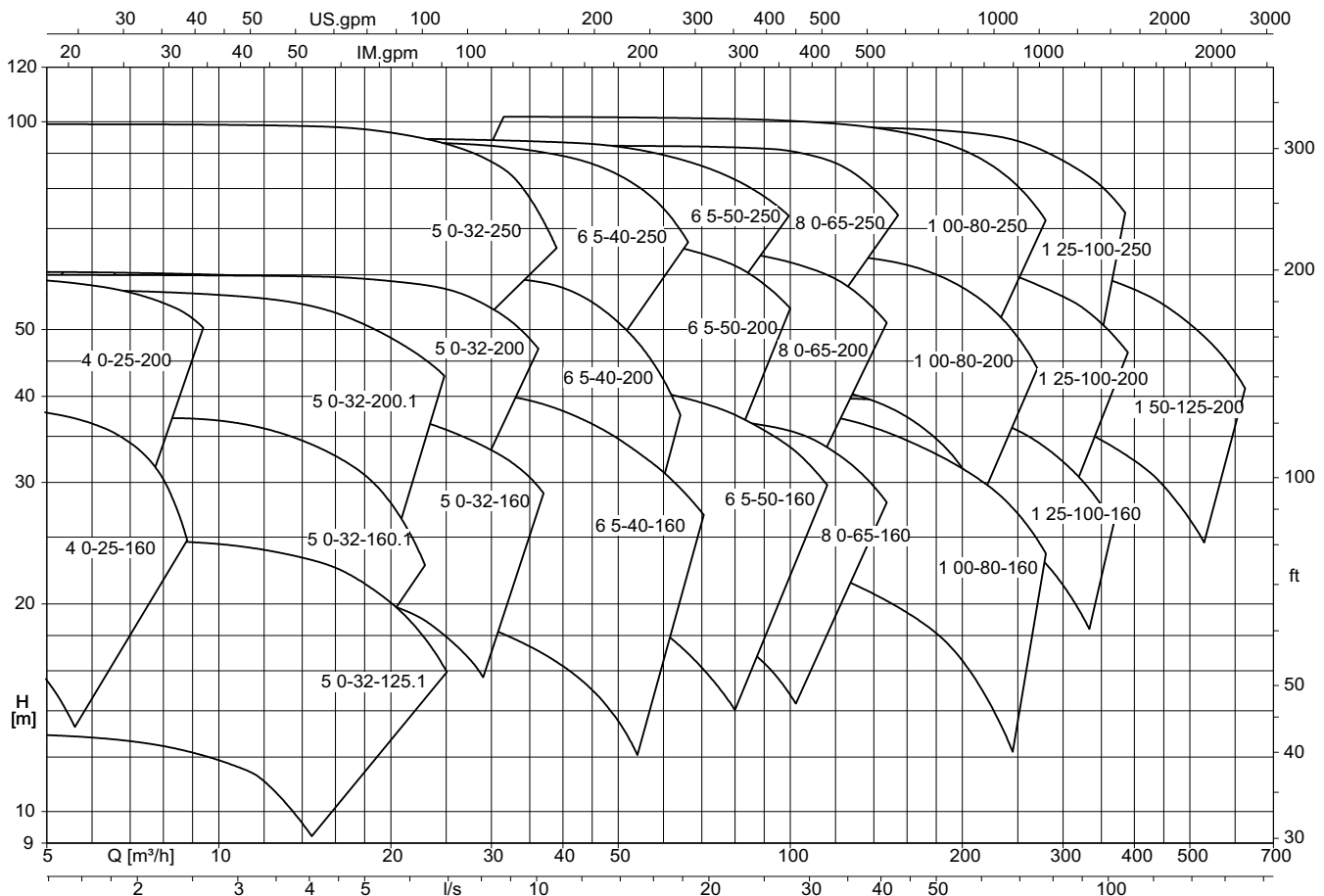
TECHNICAL DATA	MATERIAL	A	B	C
PUMP SIZE - 25 150 MM	CASING	A 351 GR. Cf8	A 216 GR. WCB	A 351 GR. CF8M
DISCHARGE UP TO* - 625/754 Mtr/H	CASING COVER	A 351 GR. Cf8	A 216 GR. WCB	A 351 GR. CF8M
HEAD UP TO - 102/100 Mtr	IMPELLER	A 351 GR. Cf8	A 260 GR. WCB	A 351 GR. CF8M
FLUID TEMPERATURE - -30 TO +350°C	SHAFT	A 276 TP 304	A 276 TP 410	A 276 TP 316
MAX. OPERATING PRESSURE - 16 BAR	BEARING FRAME	IS 210 GR. FG 260 (CAST IRON)	IS 210 GR. FG 260 (CAST IRON)	IS 210 GR. FG 260 (CAST IRON)

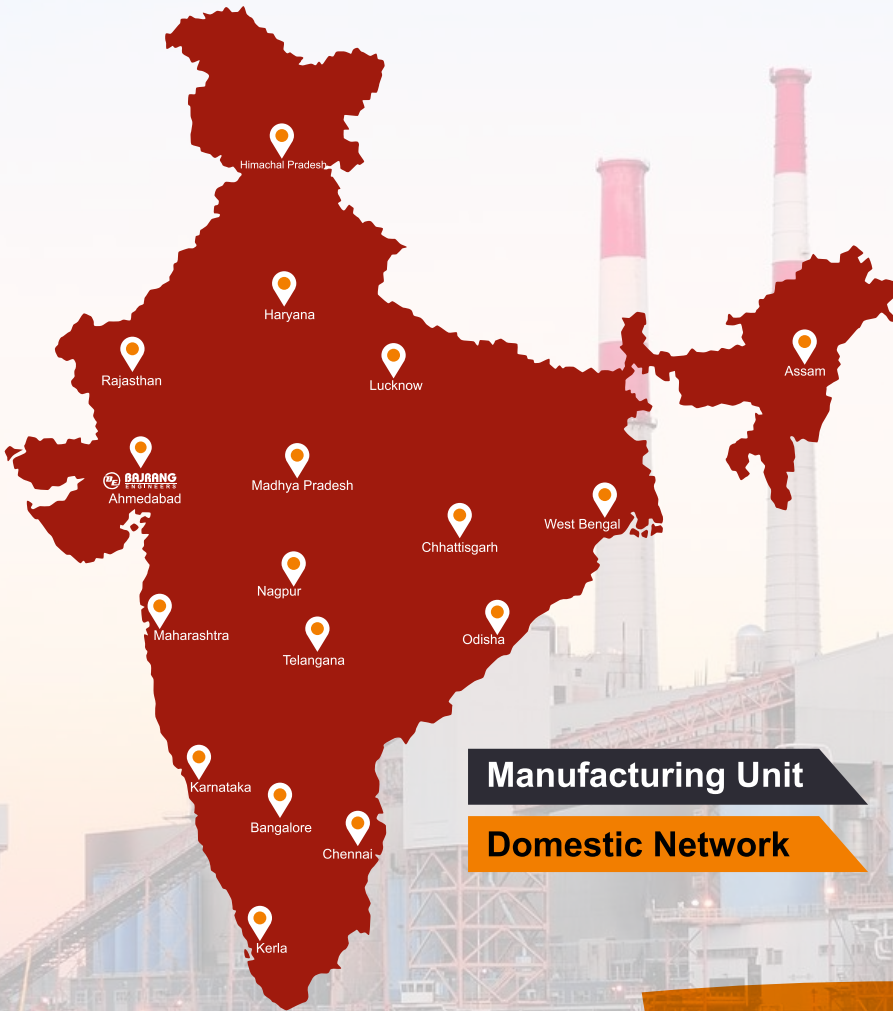
BCPP SERIES : CENTRIFUGAL PROCESS PUMP

The fluid enters the pump axially via the suction nozzle (6) and is accelerated outward by the rotating impeller (7). In the flow passage of the pump casing the kinetic energy of the fluid is converted into pressure energy. The fluid is pumped to the discharge nozzle (2), where it leaves the pump. The clearance gap (1) prevents any fluid from flowing back from the casing to the suction nozzle. At the rear side of the impeller, the shaft (4) enters the casing via the casing cover (3). The shaft passes through the bearing bracket is sealed to atmosphere with a shaft seal (9). The shaft runs in a plain bearing and a rolling element bearing (8 and 10); the bearings are supported by a bearing frame (5) linked with the pump casing and/or casing cover.

PERFORMANCE RANGE CHART

WHO SERIES - 2900 rpm





Manufacturing Unit

Domestic Network



ADDRESS :

- 📍 Shed No. 25, Shiv Industrial Estate,
B/H Vepari Mahamandal, Singarva,
Ahmedabad, Gujarat - 382430.
- ☎ + 91 88492 47727 / +91 76009 91355
- ✉ bajrangeng99@gmail.com
- 🌐 www.bajrangpumps.com

Main Brochure
QR CODE

