AIRCOOLED THERMIC FLUID PUMP – DIN 24256/EN 22858 Series : ATP

Capacity	Upto 250 M3 / HR
Head	Upto 100 Mtr.
Delivery Size	32.0 MM to 80.0 MM
Working Pressure	16 to 25 Bar
Temperature	+ 180° C to + 350° C.

APPLICATION :

- Thermic Fluid Handling & Synthetic Oil Transfer.
- Hot Oil Transfer & Hot Water Supply.
- Mineral Oil Industry & Various Chemical Industry.
- District Heating System.
- Other Viz Rubber, Paper, Plywood Industries.
- Food, Metal, Plastic, Metal, Textile Industries.

DESIGN FEATURES :

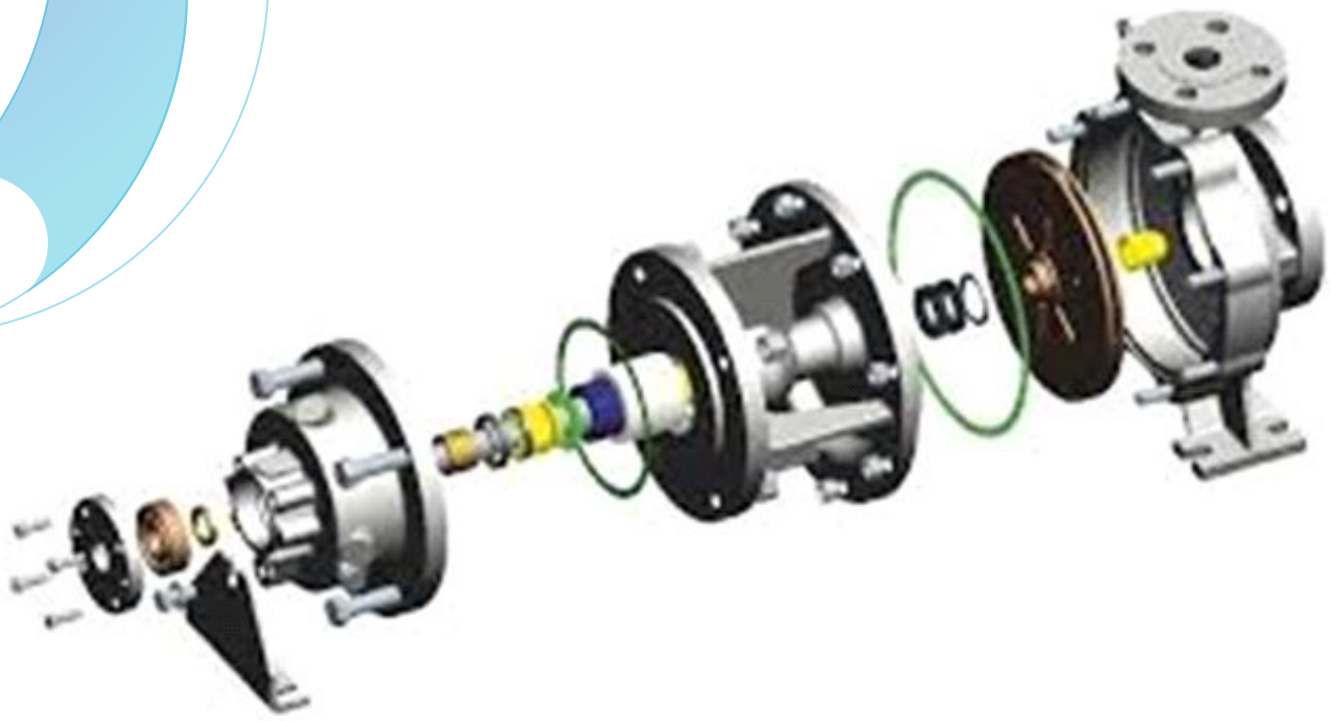
- Dimensions Are Fully Conforming To DIN24256 / EN 22858
- Pump With Integral Foot Mounted.
- Air-cooled Design. No Separate Cooling Required For Bearings.
- Pump With Graphoil Packing At St. Box Cavity.
- Spiral Wound Gasket between Casing & Casing Cover.
- Back Pullout Type Design.
- Mechanical Seals Are Metallic Bellow Type Centerline Delivery Self Venting.
- Flange Drilling : ANSI B16.5 Cl 150/300 FF or RF
- Auxiliary Tapping : Npt , Mechanical Seal : Single Unbalance.
- Coupling : Flexible Jaw Type Spacer Coupling.
- Performance Testing Standard: ISO9906 GR.2B
- Interchangeability Of Components.

FLANGES :

- ANSI B 16.1, CL 125 Flat Face : For MOC : C.I / Bronze
- ANSI B 16.5, CL 150 Raised Face : For Special Metals VIZ.
- ST. Steel, Cast Steel etc.
- Drilling as per DIN ASA, BS etc. (Optional)

MATERIAL OF CONSTRUCTION :

Pump Casing / Casing Cover	Cast Steel / Stainless Steel / Duplex Steel
Impellers	Cast Steel / Stainless Steel / Duplex Steel
Pump Shaft / Sleeve	Stainless Steel / Duplex Steel
Sliding Bearing	Sintered Silicon Carbide / Carbon / Steel



CONSTRUCTION / FEATURES :

Pumps dimensionally conforming to EN 22858 (DIN 24256). The pump is foot mounted for given temperature range.heat barrier is created by way of cooling the stuffing box region and sufficient space is kept between Stuffing box and bearing, so that heat is not conducted to bearing.

STUFFING BOX :

The stuffing box is sealed by grafoil packing & added operational reliability for safety with st. box throttle & cooling section design as liquid temperature is high, the pump is designed for optimum temperature reduction by the use of long thermal barrier & large surface area. This ensures that no additional cooling is required

IMPELLER :

The impellers are of enclosed type. Hydraulic balancing of impellers is achieved either by back vanes or by balance holes depending upon magnitude of axial thrust. The impellers are dynamically balanced. Reliable fixing of impeller on shaft is achieved by using helical insert under impeller nut.

PUMP SHAFT :

The shaft is supported between antifriction ball bearing and sliding bush bearings. The critical speed of shaft is sufficiently above the operating speed. The shaft is critically machined and ground to maintain concentricity.

CASING :

The pump casing has axial suction & top centre line delivery, radially split with self venting design. Smooth Hydraulic passage ensures higher efficiency. Delivery flanges and supporting feet are cast integral with the casing.

BEARINGS :

The unique heat dissipation of the bearing housing ensures the reduced temperature at the seal faces and bearings. The bearings used are factory pre-lubricated deep groove ball bearing for life.

DIRECTION OF ROTATION :

Clockwise when viewed from driving end.

DRIVE / PRIME MOVER :

Pumps can be driven by electric motor or engine.

PROSERVE
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Manufacturer of Industrial Pumps & Spares

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