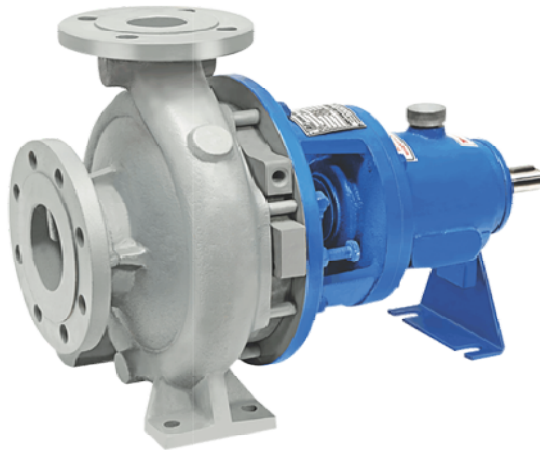


Centrifugal Pump

Centrifugal pumps is also known by the names dynamic pressure pump or hydrodynamic pump. As the name suggests, it works on the core principle of centrifugal force and have gained popularity as they are easy to install and also quick to fix.



Ambica Machine Tools is an industry-leading centrifugal pump manufacturer and supplier who is known for manufacturing, supplying, and trading superior-grade centrifugal pump.

We harness state-of-art machinery and most advanced technology to meet the different needs of our discerning clientele which has given us a reputation of leading centrifugal pump manufacturer in the market. Premium-grade centrifugal pumps by Ambica Machine tools are used in rubber industries, chemical industries, power stations, laminates industries, textile industries, water desalination plants, fertilizer industry etc.

Special Features of Centrifugal Pump

- Modular construction, high interchangeability, fast delivery.
- Versatile shaft sealing arrangement, gland packing as a standard arrangement and option to use mechanical seal.
- Process type design results in minimum downtime.
- Back pull-out design enabling easier removal for inspection and maintenance.
- Closed impeller ensures high efficiency for a long period operation.
- Pump comes in 3 bearing design resulting good continuous process with high productivity.
- Bigger shaft and bearing size enabling sturdy design.

Application of Centrifugal Pumps

For handing aggressive organic & inorganic fluids in the chemical & petrochemical industries, centrifugal pumps are also used at refinery off – sites, paper & pulp industries, food industries, sugar industries, dea water desalination plants, absorption plants in

environmental engineering, power stations, laminates industries, textiles industries, rubber industries, handling of hydrocarbons, d.m.water, salt power stations and in industries such as fertilizer and other process industries etc.

Backpull - Out Design

The space necessary to withdraw the pump rotating element is obtained by removing the coupling spacer, after dismantling of the casing cover, support foot, cooling water connections, heating connections and sealing liquid (if any) the complete pump rotating elements is withdraw from the pump casing, the pump casing is left in the pipe work. The motor remains fixed to the base plate, the pump rotating element can easily be dismantled into its components, after re-assembly no time consuming re alignment is necessary.

Operation Range

Capacity Up To	850 M3/Hr.
HEAD – Up To	120 Mtr.
Pump Sizes – DN	25 mm To 200 mm
Speed – N	1450/2900 rpm at 50 Hz & 1750/3500 rpm at 60 Hz
Temperature	350°C

Material of Construction

GREY CAST IRON	CARBON STEEL
ALLOY STEEL	CF8
CF8M	CF3
CF3M(SS-316I)	ALLOY 20
CD4MCU	HASTELLOY-B/C

GUN METAL	BRONZE
-----------	--------

Material Specifications

STANDARDS:	DESIGNED TO CONFORM:	DIN 24256 ISO 2858 API610 (IN GENERAL)	
FLANGES	AS PER	DIN 2533,DIN 2543, ASA 125 LB FF, ASA150 RF BS 10 : 1962 TABLE E.	
OPERATING RANGE	SPEED 1450 RPM DISCHARGE UP TO 1100 M3/HR HEAD UP TO 60 MTR SPEED 2900 RPM DISCHARGE UP TO 380 M3/HR HEAD UP TO 150 MTR		
WORKING PRESSURE	GREY CAST IRON STEEL 16 KG/CM' MAX. S.G. IRON CAST 20 KG/CM' MAX. STAINIESS STEEL, ALLOY 20 *DEPENDING UPON PUMP SIZE AND PUMPING TEMPERATURE.		
TEMPERATURE	GREY CAST IRON FROM- 30TO + 200 DC S.G. IRON AND CAST STEEL FROM- 40TO + 300 DC ALLOY CAST STEEL FROM- 120 TO + 350 *C		
MATERIAL OF CONSTRUCTION	STANDARD DESIGN	GREY CAST IRON CAST STEEL SS-316	S.G. IRON CD4MCU ALLOY 20 SS -304 / BRONZE, SS- 316-L. 304-L
	SPECIAL DESIGN	NI HARD, CAST IRON, HASTELLOY.	

The product details mentioned above briefly outlines our current standard of our pump range. Information mentioned above is subject to change due to constant developments and performance improvement of all our products. The color of the product shown above is not the identity of the product.