



OUR RANGE OF IMPELLERS



HIGH
EFFICIENCY



ROBUST
CONSTRUCTION



BALANCED
PERFORMANCE



LONG
SERVICE LIFE



CUSTOM
DESIGN

1 OPEN IMPELLER



- Simple & rugged design
- Easy to clean & maintain
- Used in slurry, sewage, effluent & low pressure applications

2 CLOSED IMPELLER



- High efficiency
- Suitable for clean liquids
- Used in pumps, blowers, compressors & turbines

3 SEMI-OPEN IMPELLER



- Better efficiency than open
- Handles solids & fibrous materials
- Used in industrial pumps

4 VORTEX IMPELLER



- Non-clog design
- Handles large solids
- Used in sewage, wastewater & drainage applications

5 MULTI-VANE IMPELLER



- High pressure capability
- Smooth flow
- Used in multi-stage pumps & compressors

6 RADIAL IMPELLER



- Radial flow design
- High head & pressure
- Used in boilers, ID/FD fans, & industrial blowers

7 MIXED FLOW IMPELLER



- Axial-radial flow combination
- High flow with medium head
- Used in pumps, propellers & ventilation systems

8 AXIAL FLOW IMPELLER



- High flow, low head
- Energy efficient
- Used in axial flow pumps, fans & cooling towers

9 BACKWARD CURVED IMPELLER



- Non-overloading design
- Stable performance curve
- Used in centrifugal fans, HVAC & blowers

10 FORWARD CURVED IMPELLER



- High air volume
- Compact design
- Used in blowers, HVAC & ventilation systems

11 SCREW IMPELLER



- Large solid handling
- Low pulsation
- Used in sewage, sludge & progressive cavity pumps

12 SHROUDED IMPELLER



- High efficiency & strength
- Reduced vibration
- Used in pumps, turbines & compressors

13 CHANNEL IMPELLER



- Excellent for slurry & solids
- High wear resistance
- Used in slurry, sand & mining applications

14 DISC IMPELLER



- Wide disc for smooth flow
- High efficiency
- Used in pumps & aeration systems

15 PROPELLER IMPELLER



- Simple & economical
- Low head, high flow
- Used in mixers, agitators & circulation systems

16 AGITATOR IMPELLER



- Designed for mixing
- Uniform agitation
- Used in chemical, food, pharma & tank applications

17 WEAR RESISTANT IMPELLER



- Hard facing / wear resistant
- Long life in abrasive media
- Used in mining, power & cement industries

18 CUSTOM DESIGNED IMPELLER



- Designed as per customer requirement
- Any size, material & application

MATERIAL OF CONSTRUCTION

- Cast Iron (CI)
- Ductile Iron (DI)
- Carbon Steel (CS)
- Stainless Steel (SS 304 / 316 / 316L)
- Alloy Steel
- Bronze / Gun Metal
- Hard Iron
- Special Alloys (As per requirement)



TECHNICAL CAPABILITIES

Impeller Diameter	Up to 3000 mm
Impeller Weight	Up to 2000 kg
Balancing	Static & Dynamic Balancing
Balancing Grade	G6.3 to G2.5 (as per ISO 1940)
Surface Finish	Machined / As Cast
Manufacturing Process	Casting / Fabrication / CNC Machining
Design	As per Drawing / Sample / Application
Coating / Protection	Painted / Epoxy / Hard Facing / Galvanized (as per requirement)

APPLICATIONS

Centrifugal Pumps	Chemical & Process Plants
Industrial Blowers	HVAC & Ventilation
Sewage & Wastewater	Marine & Offshore
Slurry & Mining	Food & Pharmaceutical
Power Plants	Water Treatment Plants

OUR ADVANTAGES

- ✓ Advanced Manufacturing Facility
- ✓ High Quality Raw Materials
- ✓ Precision Machining & Balancing
- ✓ 100% Inspection Before Dispatch

