Horizontal Split Casing Pump Type ACT Series



Operating Data

Pump Size	DN	80 to 800mm
Capacity	Q	up to 11600 m³/h
Head	Н	up to 200m
Working Temperature	Т	up to 105º C
Solid Grains		up to 80 mg/L
Working Pressure		up to 25 bar
Testing Pressure		up to 37.5 bar

Applications

Suitable for handling water slight impurities in industries, Water Works, Storm Water, Irrigation, Sprinkle Irrigation, Fire Fighting, Air-conditioning Plants, Water Circulation, Waste Water Treatment Plants, Processing Plants, Power Plants, Fertiliser Plants, Refinery, Paper, Sugar and Textile Mills etc.

Design

Single stage, axially split volute casing pump with double flow radial impeller, for horizontal and vertical installation. Drive shaft end of the horizontal pump optionally on the left or right side.

Materials

Casing:	Cast Iron, Ductile Cast Iron, Cast Steel, Stainless Steel
Impeller:	Cast Iron, Bronze or Stainless Steel
Shaft:	Steel or Stainless Steel

Impeller

Double or single suction type accurately balanced. In the case of double suction impellers, the hydraulic thrust is balanced automatically because of pressure equalization on both sides of the impeller.

Shaft

The high tensile steel shaft accurately machined and ground is supported by antifriction bearings. The shaft is protected by shaft sleeves from wear in stuffing box area.

Stuffing Box

Can be sealed by gland packing or mechanical seal and is suitable for liquids having temperature up to 105° C.

Bearings

Horizontal Type:	On both sides grease lubricated deep grove ball bearing, sealed for life, optionally oil lubrication.			
Vertical Type:	Top - grease lubricated deep groove trust ball bearing, sealed for life.			
	Bottom - wear resistant, medium lubricated plain bearing of silicon carbide.			

Direction of Rotation

Standard: Clockwise viewed from driving end.

Optional: Anti-clockwise viewed from driving end.

Drive

Suitable for coupling with electric motors, IRC engines or steam turbines either directly or through belt drives.

Flanges

- Standard: Drilled to BS-10 table D/E or BS-4504 table16/11 Plain face depending upon model.
- Option: DIN/ASA with suitable pressure rating depending upon model.

Quality

Our Quality Management Systems Conforms to ISO 9001.



Selection Chart





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Structural Drawing



1	Bearing Body B	7	Stuffing Gland	13	Impeller	19	O Ring	25	Bearing Baffle
2	Bearing Washer	8	Stuffing	14	Water Rinsing Pipe Part	20	Seal Gland	26	Elastic Baffle
3	Bearing	9	Stuffing Ring	15	Seal Ring	21	Water Baffle	27	Shaft
4	Oil Seal O Frame	10	Stuffing Baffle	16	Mechanical Seal Muff	22	O Ring	28	Pump Bearing Gland
5	Bearing Gland	11	Stuff Muff	17	Seal Body	23	Muff	29	Round Nut
6	Pump Casing	12	Pump Cover	18	Mechanical Seal	24	Bearing Body A	30	Thrust Washer

