



PPIC SERIES

CENTRIFUGAL PROCESS PUMP IN INVESTMENT CASTING

Features

- All the wetted parts are made from investment castings giving excellent surface finish, sound casting, better efficiency.
- Maximum interchangeability therefore minimum spare parts inventory required to be maintained.
- Back pull out design permits quick inspection, repairs of rotary assembly without disturbing pipe line and motor connections.
- Hydraulic performance maintained by simple external axial adjustment of impeller wear.
- Exclusive balanced thrust.
- Standard dimensions cut layout cost.
- Standard foundations save installation and drawing time, talent and money.
- Fully open impeller for various fluid transfer ranging from clear to suspended solids.

Application

Chemical :

Caustic transfer, Acid unloading, Monomer and polymer transfer, Molten sulphur and urea, Liquid ammonia Liquid Nitrogen.

Petrochemical :

Aromatics, Low specific gravity hydrocarbons, Gas oil.

Pulp and Paper :

Digester make up-green and white liquor and black liquor recovery, coating slurries, clay, Titanium dioxide and Alum transfer.

Steel and Mill Industry :

Waste acid recovery, Scrubber service, Pickle liquor circulation.

General :

Textile, Food, Pharmaceutical and Pollution control, chilled water, condensate return, Acid recovery, Stack scrubbers, Filter feed DM water Plant.



Volute Casing

Top centerline discharge for air handling, Self-venting.

Back pullout design for ease of maintenance.

Integral casing feet prevent pipe load miss-alignment

longer seal and bearing life.

Standard class 150 RF serrated flanges for positive sealing.

Sealing Flexibility

Wide range of sealing arrangements available to meet different service conditions.

Single, Double Unbalanced, Balanced seals can be fitted in the same stuffing box.

Impeller

Fully opened impeller.

Best for handling suspended solids, abrasive, and corrosives liquied.

Back pump-out vanes reduce radial thrust loads and seal chamber pressure.

Positive Sealing

Fully confined gasket at casing joint protects alignment and liquid, makes disassembly easier .

Continuous Performance

Original flow, pressure and efficiency are maintained by simple external adjustment resulting in long term energy and repair saving.

Shaft & Bearings

Heavy-duty shaft designed for minimum deflection at seal faces-less than 0.05mm.

Bearing Frame

Heavy duty design reduce the loads on shaft.

Bearing Frame Foot

Reduce effects of pipe loads on shaft alignment ; pump vibration reduced.

Series	Pump Size	Suction Size	Delivery Size	A	B	C	D	Flange Drilling As per ANSI-B-16.5 RF					
								Suction			Delivery		
								PCD	Hole Size	No	PCD	Hole Size	No
PPIC	32X25X130	32	25	100	125	75	315	85	16	4	79.4	16	4
	32X25X180	32	25	132	145			85	16		79.4	16	
	40X25X150	40	25	132	165	105	345	98.4	16		79.4	16	
	50X40X150	50	40					120.6	19		98.4	16	
	80X50X150	80	50					152.4	19		120.6	19	
	40X25X200	40	25					98.4	16		79.4	16	
	80X40X200	80	40					152.4	19		98.4	19	
	80X50X200	80	50					152.4	19		120.6	19	