



Technical Catalogue



FP Series

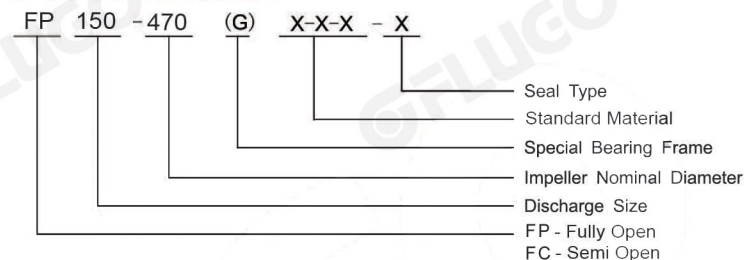
Centrifugal Process Pump



Description & Features

Flugo FP & FC Series offer robustness and wear resistance and thus fulfill high customer expectation in term of efficiency, lifecycle, and economic efficiency. Well proven Open impeller and Semi Open Impeller Design is characterized by low axial thrust and is suitable for conveying many different media.

Model Instruction



Material Code

C : Cast Iron
 Q : Ductile Iron
 B : Bronze
 S : ASTM 420 N - N101
 45 : ASTM 1045 SS316L- ASTM
 S304 : ASTM 304 SS316L
 S316 : ASTM 316 DUPLEX - SSDUPLEX

- Bearing Frame Code**
 H : Bearing frame for double-row bearing
 G : Bigger shaft and bearing frame
 Default: Standard
- Seal Type**
 S : Single Mechanical Seal
 D : Double Mechanical Seal
 P : Packing Seal

Design & Structure

Material

Part	G-Type (Standard)	Q-Type	N-Type	SS-Type	DUPLEX
Casing	Cast Iron	Ductile Iron	N101	SS304/SS316	DUPLEX
Impeller	SS304	SS304	N101	SS304/SS316	DUPLEX
Shaft	SS420	SS420	SS420	SS420	DUPLEX
Shaft Seal	Single M.Seal			Double. M seal	



Open Impeller



Semi-open Impeller



Material

Material Selection

Media	Material Code
Clean Water / White Water	G
Media with <0.5% Impurities; PH 6-8	P
Media with >0.5% Impurities, PH 6-8	N
Corrosive Media with <0.5% Impurities	SS
Corrosive Media with >0.5% Impurities	DUPLEX

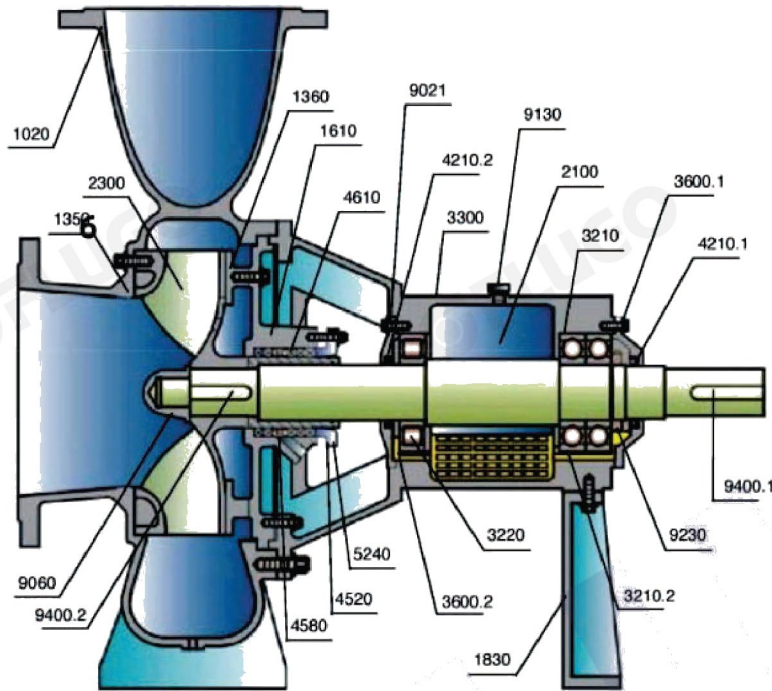
Applications

- Pulp Production
- Recycled Fibre Preparation
- Papermaking
- Sugar Mills
- Strach Syrup
- Chemical Industry
- Food Industry
- Wastewater Supply

Operating Data

Flow Rate(Q)	20-3000 m3/hour
Head(H)	up to 140m
Speed	1480 rpm (50Hz)
Max Temperature	140°C
Working Pressure	1.0 MPa Standard ; 1.6 MPa on request
Conveying Medium	Clean and Solid containing MEDIA
Consistency	Up to 6% Paper Pulp

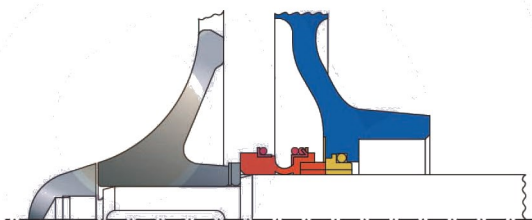
© FP & FC Series Explode View & List of Parts



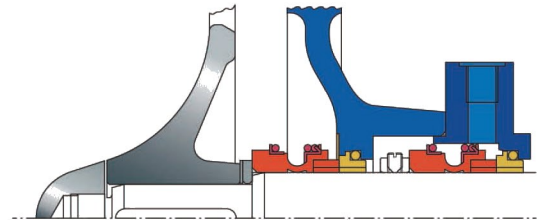
Part No.	Designation
1020	Volute casing
1350	Front wear plate
1360	Back wear plate
1610	Discharge cover
1830	Support foot
2100	Shaft
2300	Impeller
3210.1	Ball Bearing
3210.2	Ball Bearing
3220	Roller bearing
3300	Bearing case
3600.1	Ball cover
3600.2	Ball cover
4210.1	Oil seal
4210.2	Oil seal
4520	Gland
4580	Lantern ring
4610	Gland packing
5240	Gland bush
9021	Gland bolt
9060	Impeller bolt
9130	Air plug
9230	Ball nut
9400.1	key
9400.2	key

Modular Sealing System

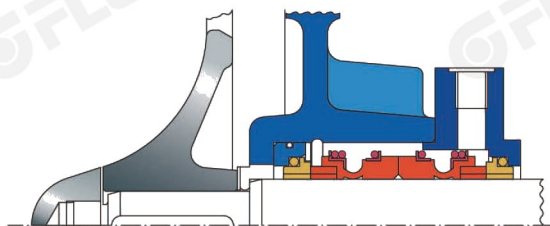
Easy adaptation to changed conditions at low cost



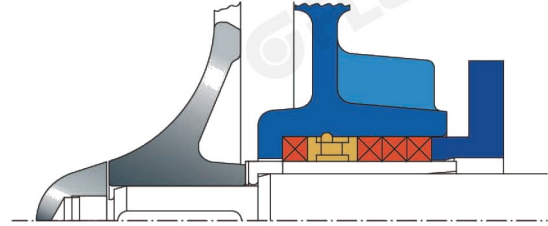
Single mechanical seal



Tandem mechanical seal



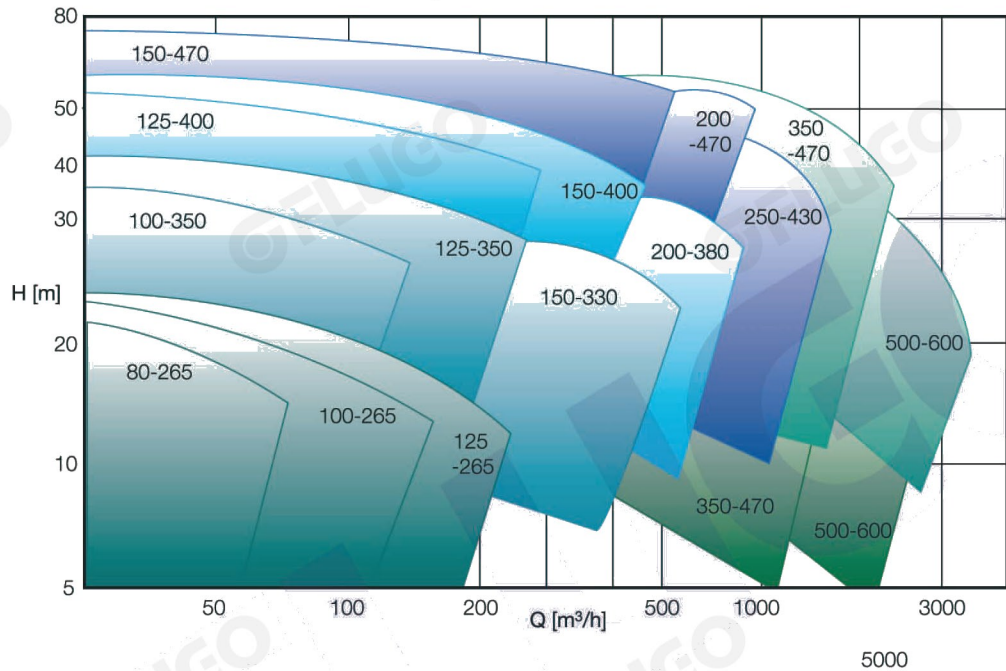
Back-to-back mechanical seal



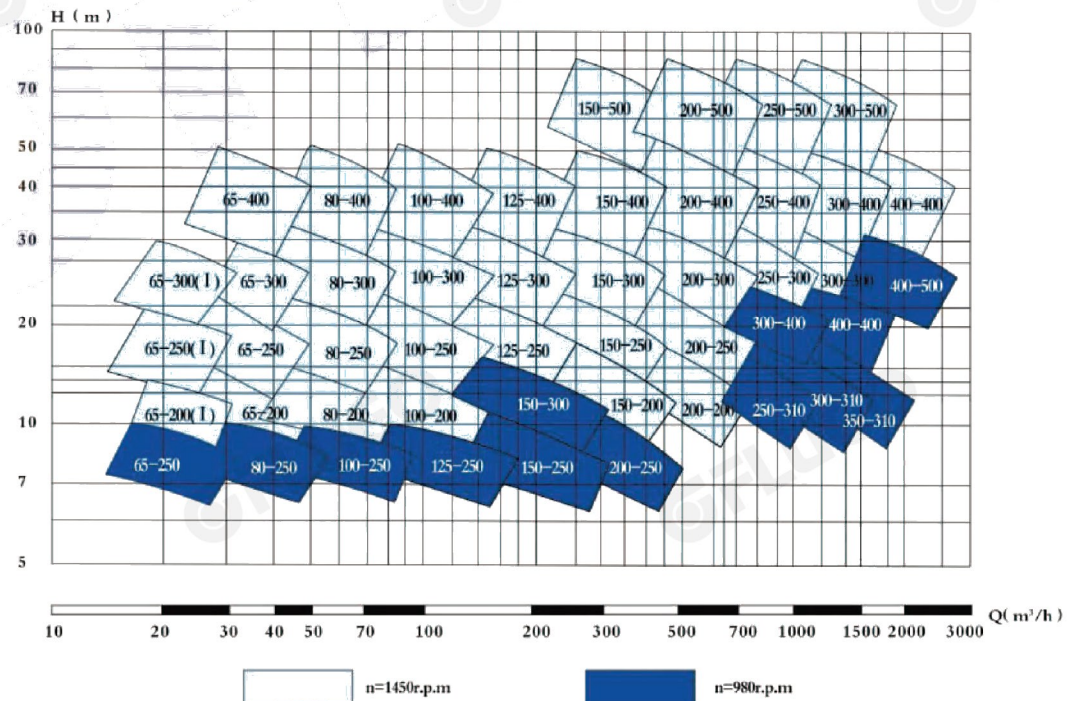
Stuffing box gland

○ Field Chart FP & FC series (50Hz)

Characteristic curve 1500 rpm



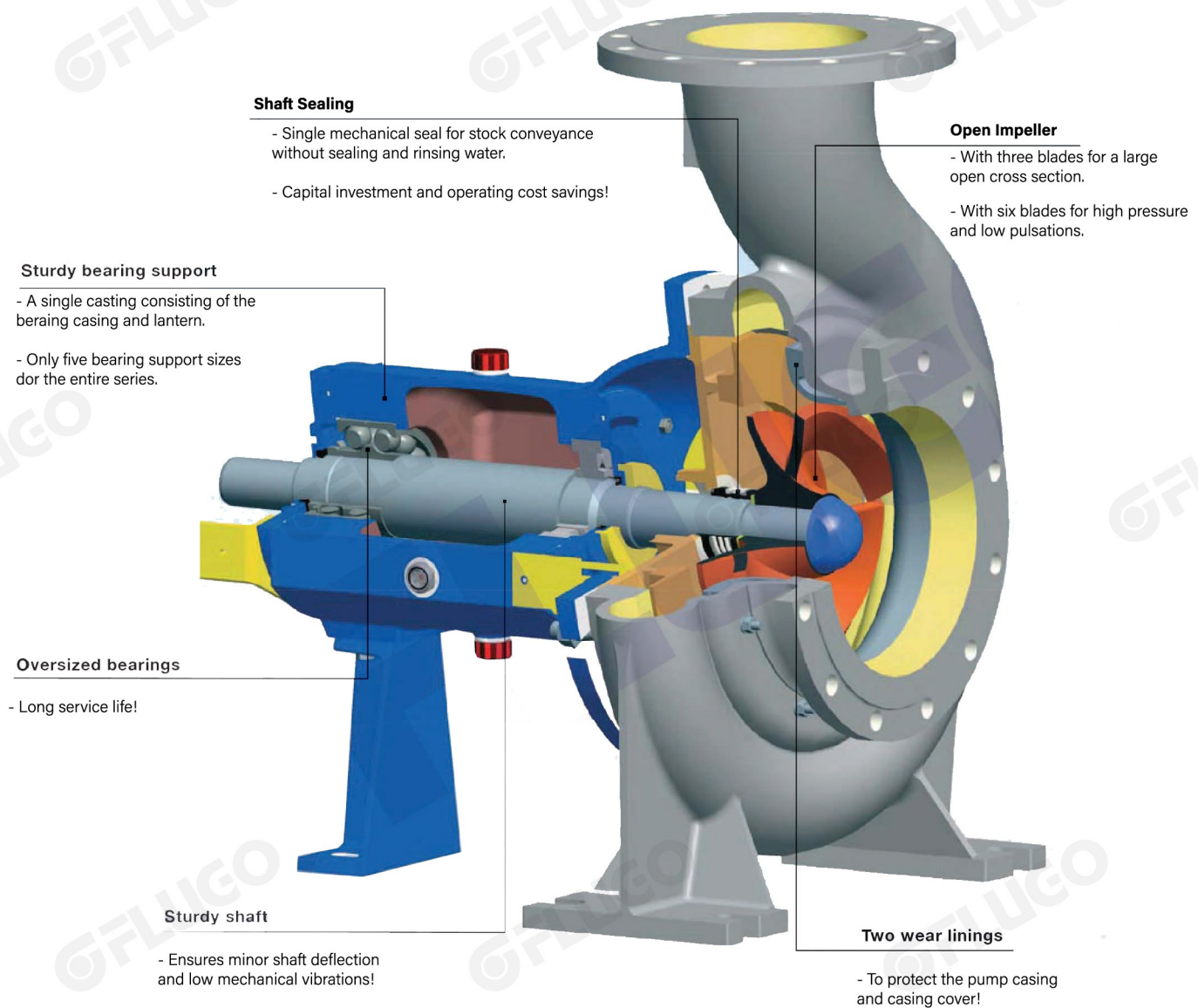
FP Series



FC Series

Proven open-impeller design

The open-impeller design of the FLUGO Centrifugal Pumps FP & FC Series is characterized by low axial thrust. With its open channels, it is suitable for conveying many different media.



Authorized Distributor



FP Series Centrifugal
Process Pump