



Quality, Reliability, Life

Vertical Centrifugal Pump



www.prakashpump.com



Applications

- Municipal water supply
- HVAC and cooling tower
- Hot & cold-water circulation
- Booster pump
- Pool and fountain water transfer

Motor details

- 2 & 4 pole Induction Motor
- 100% Copper winding
- Insulation class – F
- Protection class : IP55
- Voltage: single phase 220-240v, 60Hz
three phase 380-420v, 60Hz

Performance range

- Flow range : 5-420 m³/h
- Head range : 8-150 m
- Rated speed : 1750 & 3500 RPM (60Hz)

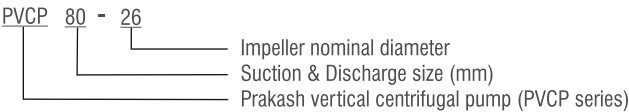
Application limits

- Suction : up to 8m
- Liquid Temperature : Up to 85°C
- Ambient temperature : up to 40°C
- Max. working pressure : 10 Bar
- Liquid PH value : 6-8
- Density : 1000 kg/m³
- Kinematic viscosity : 1 mm²/s

Installation and use

PRAKASH PVCP series are vertical in-line pumps. The biggest feature is vertical structure which sharply reduces installation space. Motor shaft is plugged into pump shaft to ensure alignment of pump and motor. This series pump adopts IEC standard motor and pump head can be assembled separately

Model Instruction



Design & Structure

Design	Performance referring to BS EN733/DIN24255 standard
Structure	Vertical, Single-Stage, Single-Suction, Volute, Casing, In-line, Close-coupled
DN(mm)	40-200
Flange	DIN2501 Pn16 GB/T17241.6 PN 1.6
Motor	IEC standard motor

Material code

- C

:

Cast iron
- Q

:

Ductile iron
- B

:

Brass
- S

:

ASTM420
- 45

:

ASTM1045
- 304

:

ASTM304
- 316

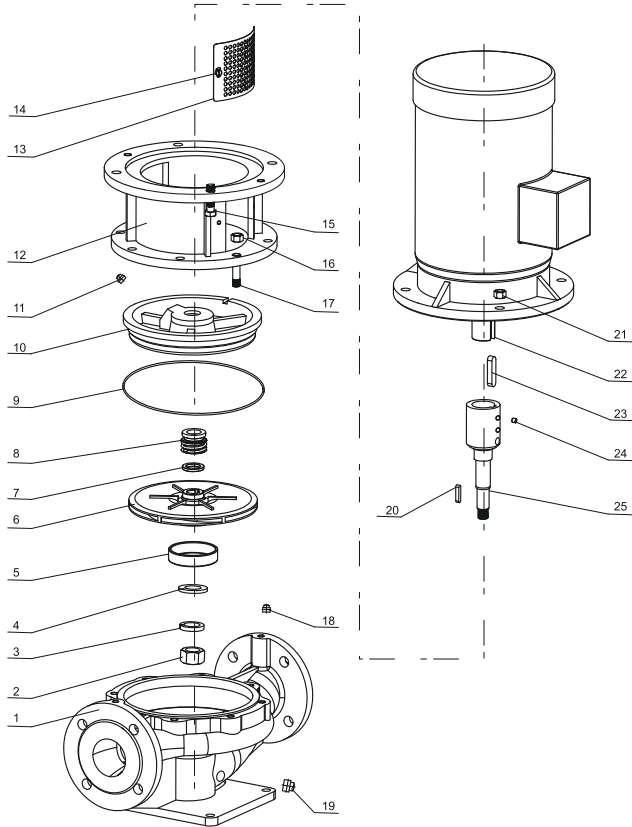
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ASTM316
- M

:

Mechanical seal

Exploded view



Code	Parts Name
1	Casing
2	Impeller Nut
3	Flat Washer
4	Spring Washer
5	Front-Wear Ring
6	Impeller
7	Seal Seat
8	Mech Seal
9	Casing Gasket
10	Casing Cover
11	1/4 Plug
12	Adapter
13	Guard
14	Screw
15	Screw Bolt
16	Screw Nut
17	Screw Bolt
18	1/4 Plug
19	3/8 Plug
20	Key
21	Screw Nut
22	Motor
23	Key
24	Screw
25	Shaft

Material

Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron
Impeller	Cast Iron	Brass/ASTM304(CF8)/ASTM316(CF8M)
Shaft	ASTM420	ASTM304/ASTM316/ASTM 1045
Shaft Seal	Mechanical Seal	-

n=3500 rpm



PRAKASH

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Quotation by email



PRAKASHPUMPEST

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