CQB65-50-150F
Teflon lined magnetic drive pump

Operating Range

Flow: 15 to 25m3/hr
Head: 24to 26m
Temperature: -20 °C to +100 °C

APPLICATION

- Chemical and petrochemical industries
- Acids & lyes
- Metal Pickling
- Rare-earth separation
- Agricultural chemicals
- Nonferrous smelting process
- Dyes
- Pharmaceutical
- Pulp & Paper
- Electroplating industry
- Radio Industry

PUMPING LIQUID

- Acid and caustic liquid
- Oxidizer corrosive liquids
- Difficult-to-seal liquids
- Sulfuric acid
- Hydroelectric acid
- nitric acid
- Acid and lye
- nitromuriatic acid

Economic and Reliable Design Features

Leak-proof design.

Seal-less Teflon lined magnetic drive pump, driven by magnetic coupling indirectly, motor shaft and pump chamber is completely sealed, avoid pump leakage problem and use site pollution.

Virgin Fluoroplastic
Considerably easier and more reliable quality control
No reduction in the permeation resistance.
Pure pharmaceutical and fine chemical media: no contamination

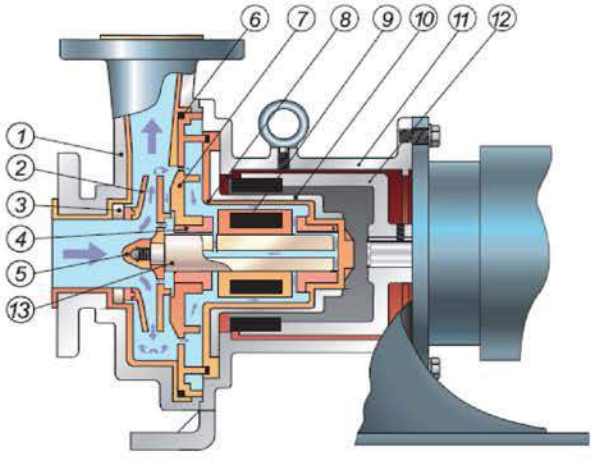
With ductile cast iron casing absorbs all the hydraulic and pipework-forces. According to DIN/ISO5199/Europump 1979 standard. Comparing to plastic pumps, no expansion joints are required.Flange with service-minded through holes to DIN;ANSI,BS;JIS. For flushing system and monitoring device as required, the draining nozzle will be offered.

The metal-free system does not induce any eddy currents and thus avoids unnecessary heat generation. Spacer sleeve made of Carbon-fiber-reinforced plastic [CFRP] Efficiency and operational reliability benefit from this .Even low flow rates or media near their boiling point can therefore be conveyed without the introduction of heat.

Close Impeller

Closed impeller with flow-optimized vane channels: for high efficiency and low NPSH values. The metal core is protected by a thick-walled seamless plastic lining, the large metal core and increase the mechanical strength considerably even at elevated temperature and high flow rates .Secured screw connection to the shaft to against loosening if the pump is started up in the wrong direction of rotation or in the case of back-flowing media.

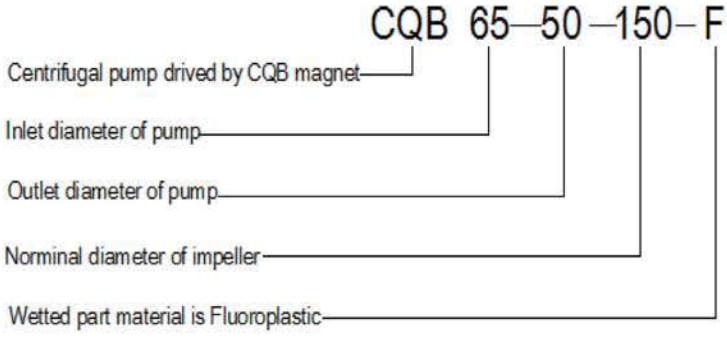
Parts and Materials



Item	Designation	Material
1	Pump housing	Cast iron HT200 lined with FEP
2	Impeller	FEP fused with PTFE
3	Mouth ring	Alumina or Silicon nitride
4	Bearing	PTFE
5	Impeller cap	PTFE
6	Seal ring	Fluorubber/PTFE
7	Pump cover	FEP fused with PTFE
8	Can	FEP fused with PTFE
9	Rotor assembly	FEP,NdFeB
10	Can strengthen	SUS321 Stainless steel
11	Bracket	Cast iron HT200
12	Drive magnet assembly	Cast iron HT200 /NdFeB
13	Pump shaft	Alumina or Silicon nitride

Model and Parameter

Model Identification

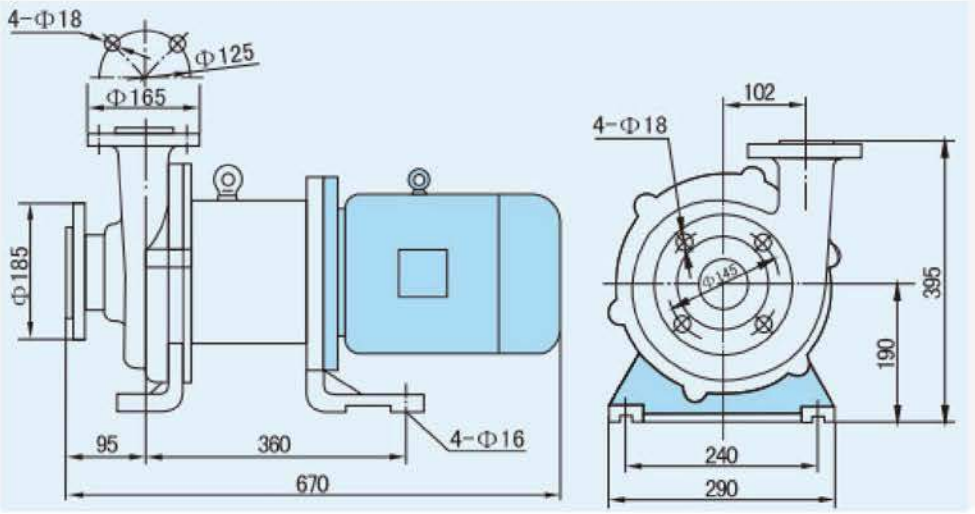


Model and parameters

Design Pressure: 1.6MPa

Pump Model	Flow (m3/h)	Head (m)	Effic-iency (%)	NPSH r (m)	Speed (n)	Inlet (mm)	Outlet (mm)	Motor Power (kw)	Pump and motor Weight (KG
CQB 65-50-150F	15 *20 25	26 25 24	40 48 52	4	2900	65	50	4	100

Installation Drawing



Performance curve