

Horizontal centrifugal pumps JP-840

Especially suitable for high aggressive media like acids and alkalies

Technical data

Executions in Polypropylene and PVDF

Flow rates from 6 to 75m³/h

Head from 7,2 to 38 m

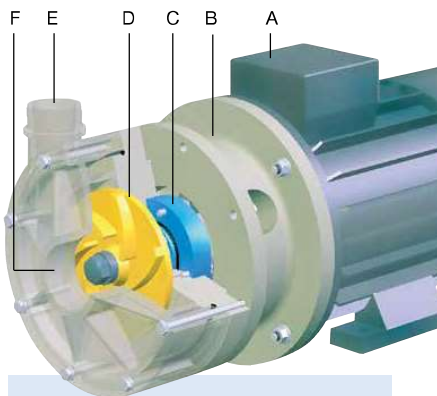
Viscosities up to 500 mPas (at 20 °C)

Temperatures at PP max. 65 °C, at PVDF max. 95 °C

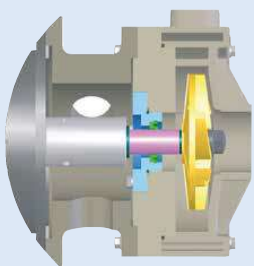
Positive suction head operation (no self priming pumps)

Three-phase motor, 230/400 Volt, 50 Hz, IP55, F Class, 2-poles, 2900 rpm

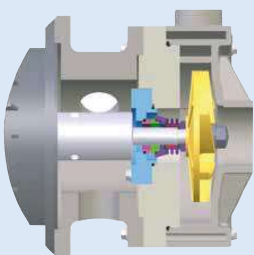
A = Electric motor E = Discharge side
 B = Inspection lantern F = Suction side (no self priming pumps, they require a feed line)
 C = Mechanical seal
 D = Impeller



TL = Lip seal



TS = Bellow-type seal



These horizontal centrifugal pumps are operated by a direct-drive motor (max. 3.000 rpm). They are especially suitable for a fast transfer of chemicals when emptying containers or tanks as well as for applications when a medium has to be pumped in circulation.

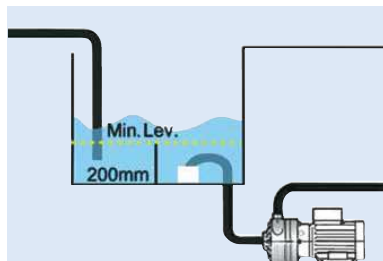
The JP-840 series offers several pump sizes with flow rates from 6 to 75 m³/h and head from 7,2 to 38 m. Their special construction with an open-impeller allows even the pumping of extremely dirty liquids or media containing small solids. The maximum viscosity for these centrifugal pumps is 500 mPas (at 20 °C) and the maximum temperature of the medium 65 °C at PP or 95 °C at PVDF.

Depending on the application there are two versions available with different internal seals (lip seal or bellow-type seal). The availability of different materials of construction – depending on chemical and thermal resistance of medium or environment – guarantees an absolute reliability of operation and a long life time of pump.

Advantages

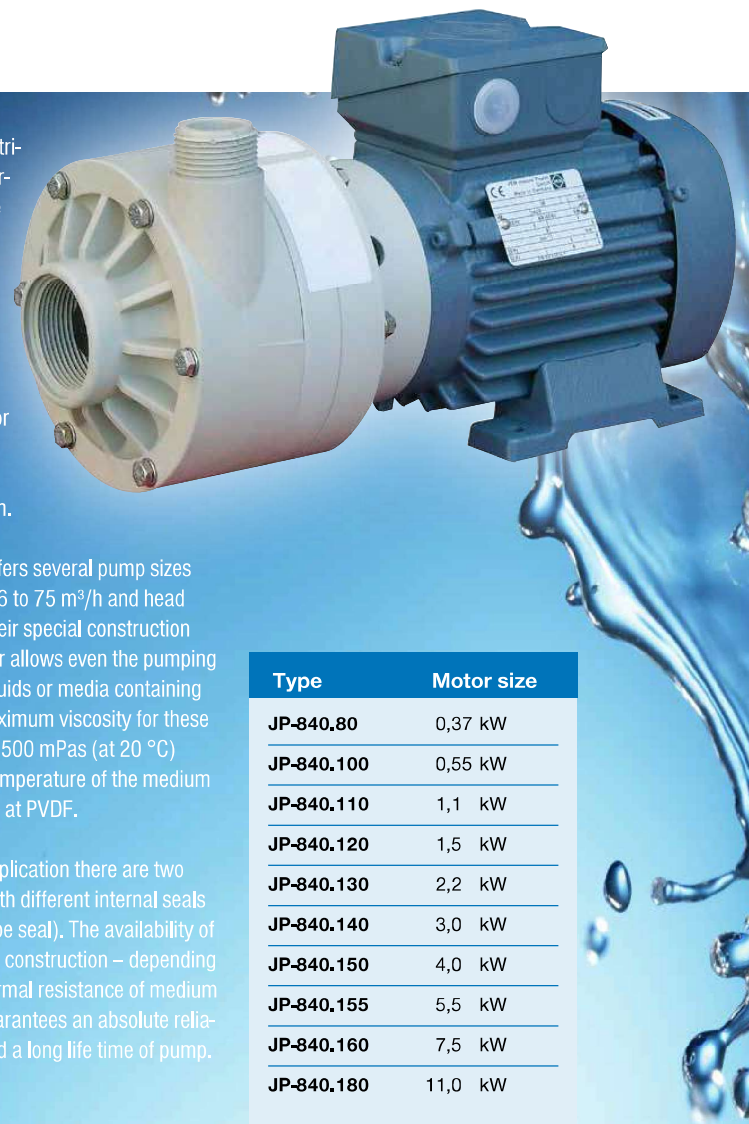
- High chemical and thermal resistance
- Space saving and robust construction
- Suitability for continuous operation
- Weldless construction and therefore absolute reliability of operation

- Sealing via lip seal or bellow type seal
- Applicability even with extremely dirty liquids or media containing small solids
- Quick and easy maintenance
- Inexpensive spare parts



Pump principle

The impeller is connected over the shaft with the direct-drive electric motor. It rotates at a preset speed and produces a centrifugal effect (suction on the inlet and discharge on the outlet).



Type	Motor size
JP-840.80	0,37 kW
JP-840.100	0,55 kW
JP-840.110	1,1 kW
JP-840.120	1,5 kW
JP-840.130	2,2 kW
JP-840.140	3,0 kW
JP-840.150	4,0 kW
JP-840.155	5,5 kW
JP-840.160	7,5 kW
JP-840.180	11,0 kW

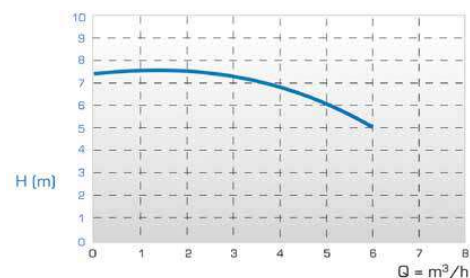
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JP-840.80

Pump housing PP/PVDF



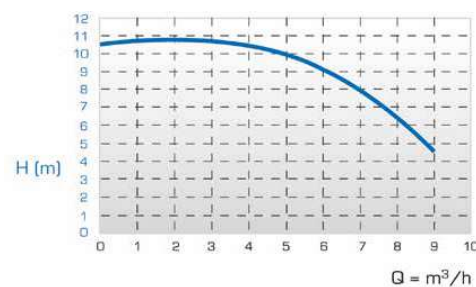
Max. flow rate 6 m³/h
 Max. head 7,2 m
 Max. viscosity 500 mPas
 Max. diameter for solids 5 mm
 Suction side G 1½" f or DN 40 Flange
 Discharge side G 1" m or DN 25 Flange
 Motor power 0,37 kW
 Lip seal or bellow-type seal
 Dimensions 328 x 140 x 175 mm
 Weight PP 8,5 kg, PVDF 9,5 kg

**JP-840.100**

Pump housing PP/PVDF



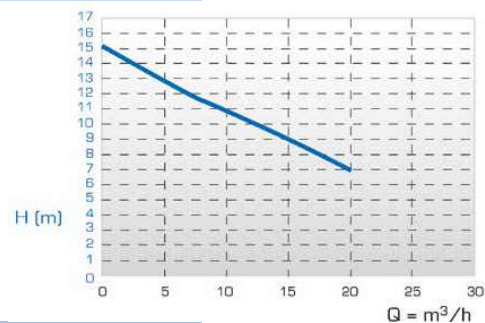
Max. flow rate 9 m³/h
 Max. head 10,5 m
 Max. viscosity 500 mPas
 Max. diameter for solids 7 mm
 Suction side G 1½" f or DN 40 Flange
 Discharge side G 1" m or DN 25 Flange
 Motor power 0,55 kW
 Lip seal or bellow-type seal
 Dimensions 328 x 140 x 175 mm
 Weight PP 8,5 kg, PVDF 9,5 kg

**JP-840.110**

Pump housing PP/PVDF



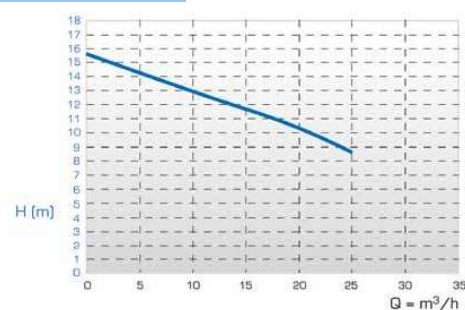
Max. flow rate 20 m³/h
 Max. head 15 m
 Max. viscosity 500 mPas
 Max. diameter for solids 2 mm
 Suction side G 2" m or DN 50 Flange
 Discharge side G 1½" m or DN 40 Flange
 Motor power 1,1 kW
 Lip seal or bellow-type seal
 Dimensions 406 x 203 x 191 mm
 Weight PP 16 kg, PVDF 17 kg

**JP-840.120**

Pump housing PP/PVDF



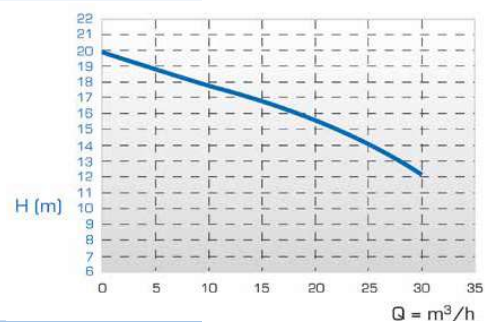
Max. flow rate 25 m³/h
 Max. head 16 m
 Max. viscosity 500 mPas
 Max. diameter for solids 6 mm
 Suction side G 2" m or DN 50 Flange
 Discharge side G 1½" m or DN 40 Flange
 Motor power 1,5 kW
 Lip seal or bellow-type seal
 Dimensions 426 x 203 x 210 mm
 Weight PP 20 kg, PVDF 21 kg

**JP-840.130**

Pump housing PP/PVDF



Max. flow rate 30 m³/h
 Max. head 20 m
 Max. viscosity 500 mPas
 Max. diameter for solids 6 mm
 Suction side G 2" m or DN 50 Flange
 Discharge side G 1½" m or DN 40 Flange
 Motor power 2,2 kW
 Lip seal or bellow-type seal
 Dimensions 448 x 203 x 210 mm
 Weight PP 22,5 kg, PVDF 23,5 kg



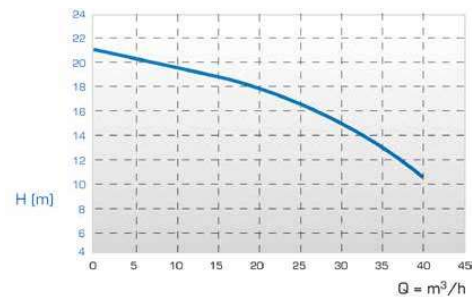
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JP-840.140

Pump housing PP/PVDF



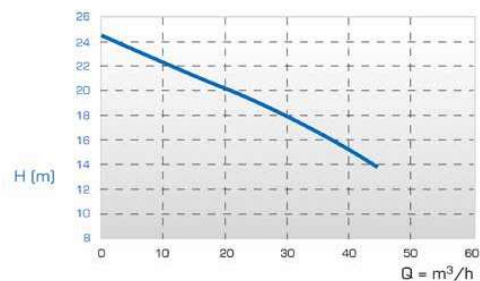
Max. flow rate 40 m³/h
 Max. head 21 m
 Max. viscosity 500 mPas
 Max. diameter for solids 12 mm
 Suction side G 2" m or DN 50 Flange
 Discharge side G 1½" m or DN 40 Flange
 Motor power 3 kW
 Lip seal or bellow-type seal
 Dimensions 505 x 203 x 227 mm
 Weight PP 29 kg, PVDF 30 kg

**JP-840.150**

Pump housing PP/PVDF



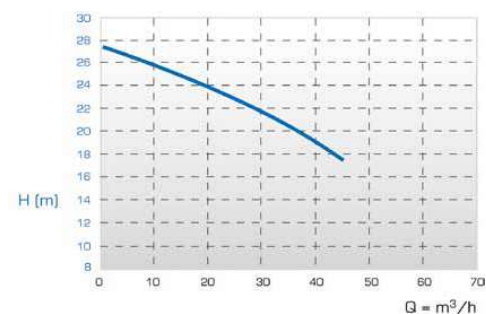
Max. flow rate 42 m³/h
 Max. head 25 m
 Max. viscosity 500 mPas
 Max. diameter for solids 2 mm
 Suction side G 2½" f or DN 65 Flange
 Discharge side G 2" m or DN 50 Flange
 Motor power 4 kW
 Lip seal or bellow-type seal
 Dimensions 527 x 275 x 300 mm
 Weight PP 44 kg, PVDF 47 kg

**JP-840.155**

Pump housing PP/PVDF



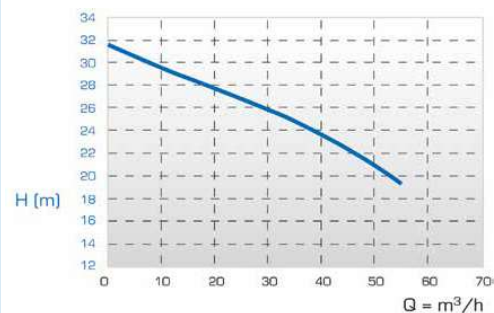
Max. flow rate 45 m³/h
 Max. head 28 m
 Max. viscosity 500 mPas
 Max. diameter for solids 3 mm
 Suction side G 2½" f or DN 65 Flange
 Discharge side G 2" m or DN 50 Flange
 Motor power 5,5 kW
 Lip seal or bellow-type seal
 Dimensions 619 x 300 x 312 mm
 Weight PP 60 kg, PVDF 63 kg

**JP-840.160**

Pump housing PP/PVDF



Max. flow rate 55 m³/h
 Max. head 32 m
 Max. viscosity 500 mPas
 Max. diameter for solids 9 mm
 Suction side G 2½" f or DN 65 Flange
 Discharge side G 2" m or DN 50 Flange
 Motor power 7,5 kW
 Lip seal or bellow-type seal
 Dimensions 645 x 300 x 310 mm
 Weight PP 70 kg, PVDF 73 kg

**JP-840.180**

Pump housing PP/PVDF



Max. flow rate 75 m³/h
 Max. head 38 m
 Max. viscosity 500 mPas
 Max. diameter for solids 9 mm
 Suction side G 2½" f or DN 65 Flange
 Discharge side G 2" m or DN 50 Flange
 Motor power 11 kW
 Lip seal or bellow-type seal
 Dimensions 695 x 300 x 310 mm
 Weight PP 96 kg, PVDF 99 kg

