PERIPOWER

Peristaltic pump in hose size 10 to 200 mm

About FLUX

FLUX pump technology – the right solution even for demanding fluids

The FLUX name has been synonymous with pump technology for more than 60 years. It was the invention of the electric drum pump that sparked it all off. In the meantime of course the technology has become more sophisticated. FLUX company innovations have markedly improved working routines for filling and transferring fluids.

It is often said that medium-sized companies are the engines of progress. We would be pleased if our family business were able to substantiate this claim.

When you choose FLUX you are making a good decision for the long term. With our products we want to assist you to save time and money and by the way – spare your nerves as well. We are therefore delighted when you discuss your requirements with us.

Best wishes,

Klaus Hahn,
CEO FLUX-GERÄTE GMBH

One Brand. One Promise.

Pumping, emptying, mixing, filling and metering – when liquids are set in motion the requirements are very diverse. In any event the process must run smoothly. This is what the FLUX brand name stands for. It is recognised across the globe as a byword for quality, for safety and for solutions which are able to fulfil every single demand on a long-term basis.

Smooth-running processes – FLUX not only guarantees this for liquids which are relatively easy to pump but also when the pumping medium is viscous or doesn't flow at all, when it is aggressive or used in processes which are common in the hygiene sector or sectors where there is an explosion hazard. To ensure that the tasks are solved in the best possible way for the customer FLUX has a huge range of expertise to offer. In other words, a lot more than just pumps. From a technical point of view this means a comprehensive product system of pumps, motors, flow meters, accessories and a whole lot more. From the project point of view, "More than just pumps", means accompanying our customers from the first telephone call through to the end solution – and if required beyond that.

This is how FLUX keeps processes moving. Long-term. Simple, complex or custom-made inclusive design assignments: FLUX is prepared for any request and in particular for the fact that our customers need more than just pumps.

MILESTONES OF PUMP TECHNOLOGY:

1950
First electric drum pump worldwide

1951
Foundation of the FLUX-GERÄTE GmbH

1953
First explosion protected drum pump

1997
First commutator motor according to ATEX directive

2003
First brushless drum pump motor

Quality

From the inventors of the electric drum pump.

- **Reliability.** In concrete terms: Every minute of downtime is a minute too much. FLUX strives to prevent downtimes in the best way possible.
- **Long service life.** High-quality technology is one of the most important prerequisites for long-term trouble-free processes.
- **Made in Germany.** FLUX has its central production location in Maulbronn, Baden-Württemberg.
- **Awards.** Such as the iF Product Design award which FLUX brand products have won several times underline the unique claim of the FLUX brand.

Customer focus

Individual solutions for your requirements.

- **Extensive range of products.** FLUX offers an extensive range of products based on individual components, pre-configured sets and system solutions.
- **Individual solutions.** For specific requirements FLUX designs and implements special adaptations, custom-made products and complex solutions in-house.
- **Technology partners.** FLUX consultants are the competent contact for the customer – on the telephone or with the customer on site.
- **On-call delivery** All popular products are available from the large warehouse at the headquarters in Maulbronn. Local warehouses in different countries supplement capacities where it is economical to do so.
- **After-sales support.** FLUX guarantees a repair service and supply of replacement parts for a period of up to 20 years following date of purchase.

Safety

Good to know: It's a FLUX product.

- **Demanding media.** FLUX technology covers an enormous spectrum of differing media. It goes without saying that FLUX provides maximum safety and reliability for demanding media as well.
- **Special solutions for individual industries.** Different industries. Different challenges. Whether food industry, pharmaceuticals industry, hygienic or explosion-hazard sectors: The focus always is on product and user safety.
- **Handling.** Risks which could otherwise occur in operation have already been taken into consideration by FLUX in the design phase. The result: Products which are able to handle complex tasks but which can still be operated with a few simple movements.

2014
First brushless battery motor to drive pumps worldwide

2022
Progressive cavity pumps VISCOPOWER

2010
Further development of the VISCOFLUX drum emptying systems

2017
Magnetically Centrifugal Pumps MAGSON

PERIPOWER

Properties and design

The peristaltic pump for aggressive and abrasive media

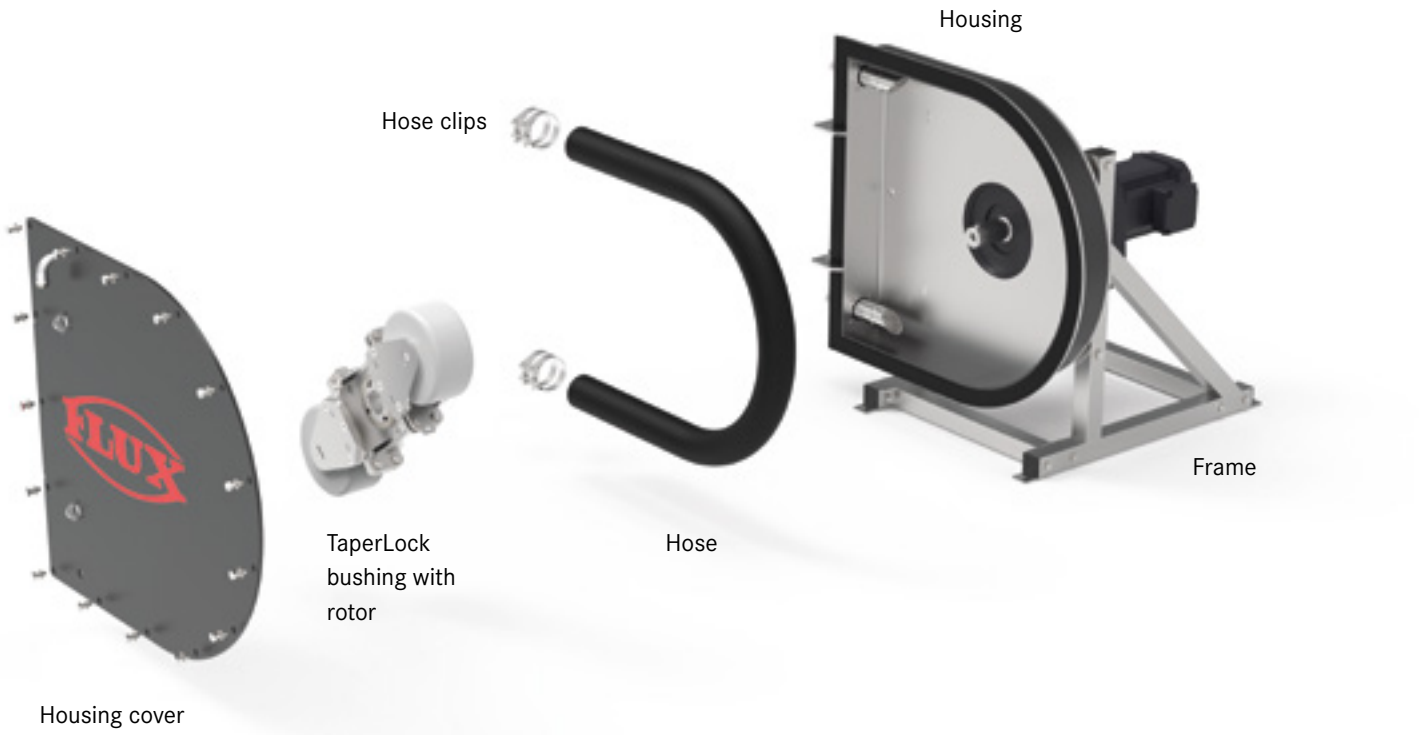
Advantages/features:

- Self-priming
- Safe to run dry
- Delivery quantity up to 300 m³/h
- Solids of sizes up to 40 % of the hose diameter can be pumped
- Simple maintenance and very little required
- Pumping pressure of up to 10 bar
- Low energy consumption
- FDA-compliant hoses available
- Huge range of applications

Pumps media containing a high proportion of solids and at a flow rate of up to 300 m³/h

The PERIPOWER peristaltic pump is a powerful self-priming positive displacement pump, which impresses customers with its extreme robustness and ease of maintenance. It operates in such a way that abrasive media and media that is sensitive to shearing can be gently pumped. Our peristaltic pumps are ideally designed to efficiently pump media with a viscosity of up to 20 000 mPas, 25 % dry matter content as well as particles with a size of up to 40 % of the hose diameter. You can rely on our pumps to deliver first-class performance in a wide range of applications.

Thanks to our user-friendly design, the hose can be easily replaced in a matter of minutes for convenient maintenance without you requiring a special tool or specialist staff on site, keeping your systems ready for use at all times.

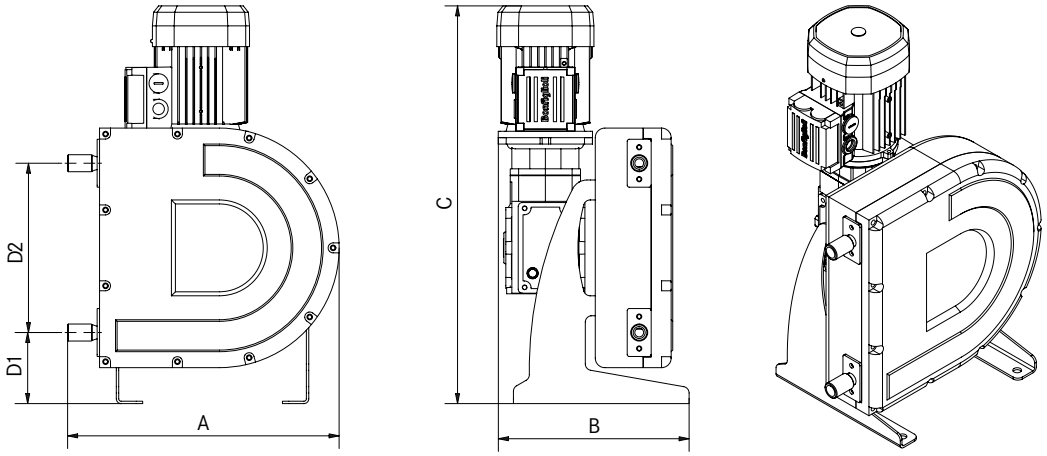


Available as options

- **Pulsation damper:**
  The pulsation damper ensures an even flow rate and effectively reduces peaks in pressure. By reducing pulsations, the pulsation damper helps to extend the service life of pump components and optimises metering accuracy in a multitude of industrial applications.
- **Hose rupture sensor:**
  Using the hose rupture sensor allows a damaged hose to be detected immediately and the pump to be shut down. This improves system safety and prevents medium from escaping into the environment.
- **Frequency converter:**
  Using frequency converters together with peristaltic pumps is an effective way of optimising the pumps' output and your ability to control them. Adjusting the motor speed by means of the frequency converter allows the delivery quantity and pressure of the peristaltic pump to be controlled precisely, which enables you to flexibly adapt to different requirements and operating conditions.
- **Control unit:**
  A control unit enables efficient and reliable pump control on the pump itself and optimises operating processes.
- **FHP-100 version with vacuum pump as of a nominal size:**
  For a greater suction height of up to 9 mwc, a vacuum is produced in the housing. As a result, the peristaltic pump produces greater suction on the suction side and the max. suction height increases from 5 to 9 mwc.
- **FHP-100 version with greater motor power as of a nominal size:**
  Max. pressure increases to 10 bar thanks to a reinforced gearbox with greater motor power.

Technical data sheet

PERIPOWER FHP 10, FHP 15 peristaltic pumps



Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 10	¼”	338	270	495	89	217	25 kg	0.37 kW
FHP 15	½”	340	270	495	93	208	25 kg	0.37 kW

Technical data for FHP 10

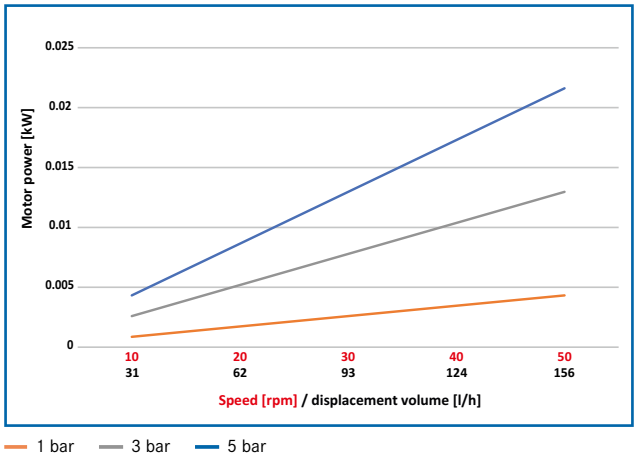
Performance data

Nominal volumetric flow	150 l/h at 50 rpm
Operating pressure	5 bar
Motor	0.37 kW
Hose diameter	10 mm
Nominal speed	50 rpm
Output	0.05 l/rev

Materials and connections available

Housing	PP
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	⅜” BSP Thread
Weight	approx. 25 kg

Performance curve for FHP 10



Technical data for FHP 15

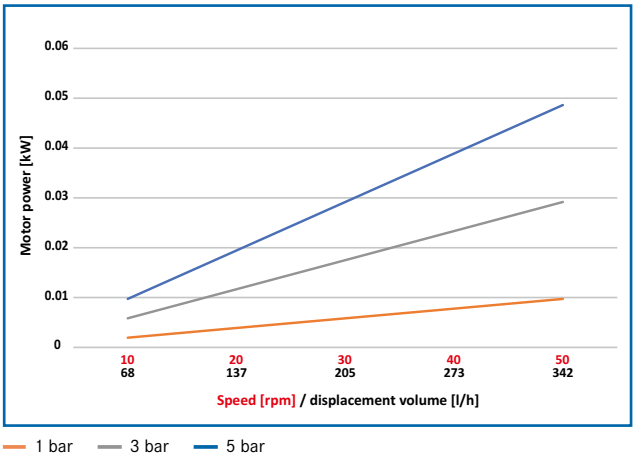
Performance data

Nominal volumetric flow	330 l/h at 50 rpm
Operating pressure	5 bar
Motor	0.37 kW
Hose diameter	15 mm
Nominal speed	50 rpm
Output	0.11 l/rev

Materials and connections available

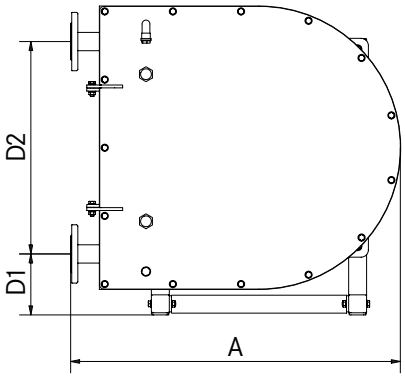
Housing	PP
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	½” BSP Thread
Weight	approx. 25 kg

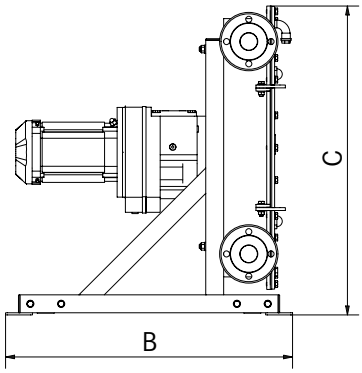
Performance curve for FHP 15

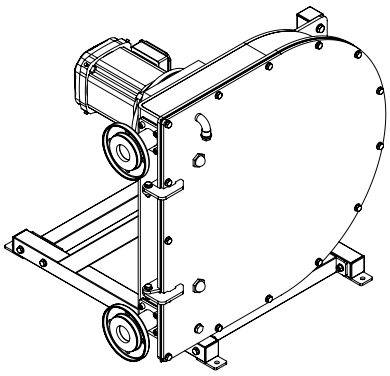


Technical data sheet

PERIPOWER FHP 25, FHP 32 peristaltic pumps







Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 25	1”	510	543	543	137	336	65 kg	0.37 kW
FHP 32	1-¼”	640	543	675	162	436	105 kg	0.55 kW

Technical data for FHP 25

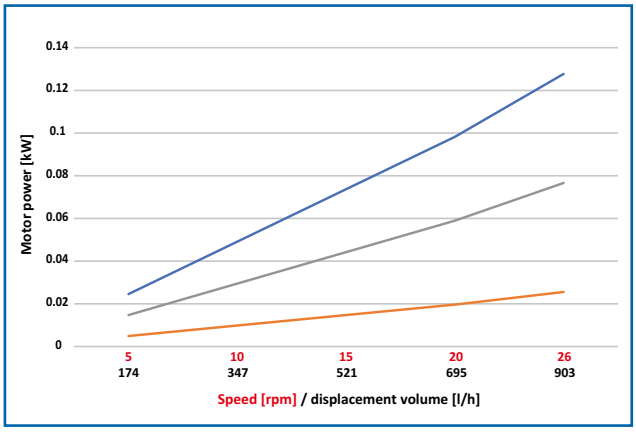
Performance data

Nominal volumetric flow	1 000 l/h at 26 rpm
Operating pressure	5 bar
Motor	0.37 kW
Hose diameter	25 mm
Nominal speed	26 rpm
Output	0.64 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	1” BSP Thread or DN 25 Flange
Weight	approx. 65 kg

Performance curve for FHP 25



Technical data for FHP 32

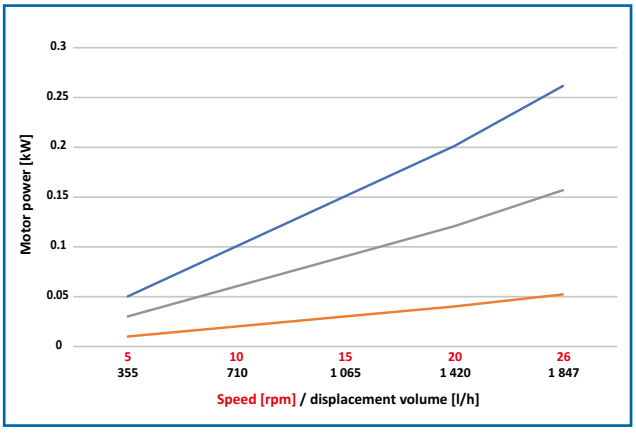
Performance data

Nominal volumetric flow	2 000 l/h at 26 rpm
Operating pressure	5 bar
Motor	0.55 kW
Hose diameter	32 mm
Nominal speed	26 rpm
Output	1.28 l/rev

Materials and connections available

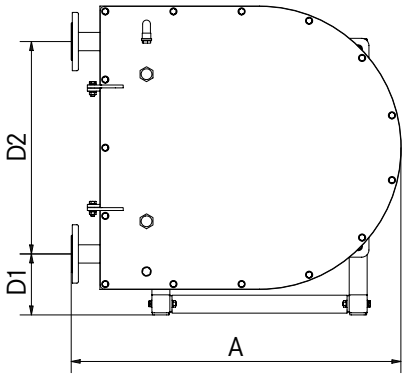
Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	1-¼” BSP Thread or DN 32 Flange
Weight	approx. 105 kg

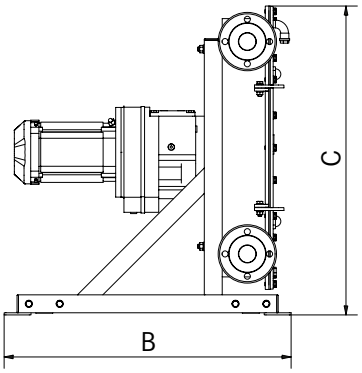
Performance curve for FHP 32

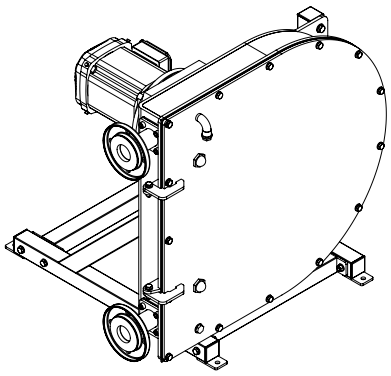


Technical data sheet

PERIPOWER FHP 40, FHP 50 peristaltic pumps







Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 40	1-½”	781	720	771	160	520	140 kg	0.75 kW
FHP 50	2”	920	800	860	165	594	180 kg	1.5 kW

Technical data for FHP 40

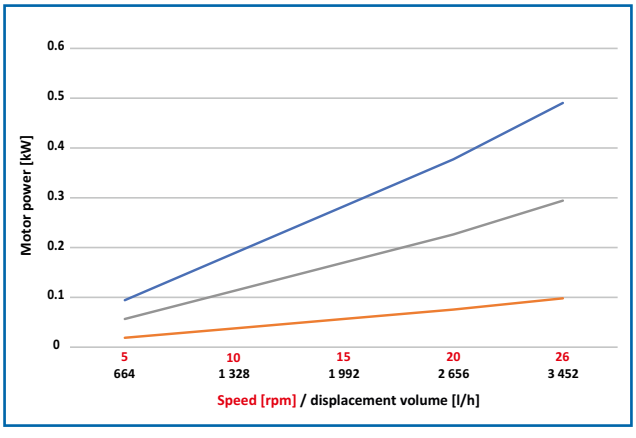
Performance data

Nominal volumetric flow	3 300 l/h at 26 rpm
Operating pressure	5 bar
Motor	0.75 kW
Hose diameter	40 mm
Nominal speed	26 rpm
Output	1.92 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	1-½” BSP Thread or DN 40 Flange
Weight	approx. 140 kg

Performance curve for FHP 40



Technical data for FHP 50

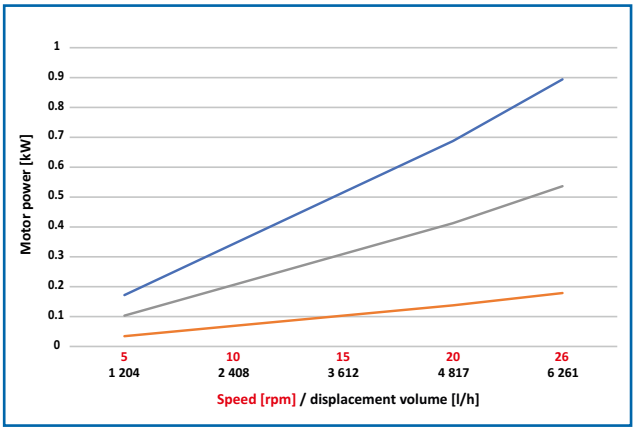
Performance data

Nominal volumetric flow	6 200 l/h at 26 rpm
Operating pressure	5 bar
Motor	1.5 kW
Hose diameter	50 mm
Nominal speed	26 rpm
Output	3.85 l/rev

Materials and connections available

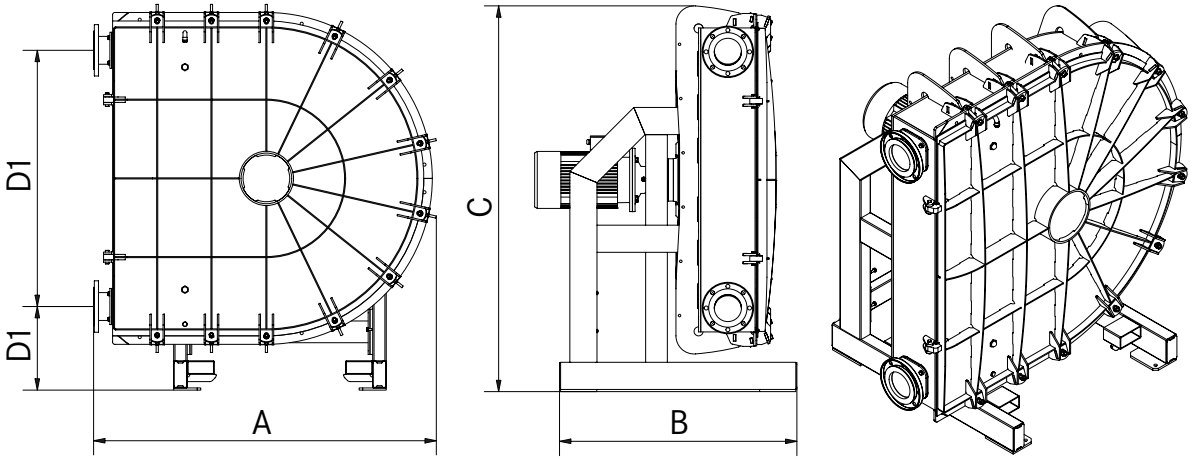
Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	2” BSP Thread or DN 50 Flange
Weight	approx. 180 kg

Performance curve for FHP 50



Technical data sheet

PERIPOWER FHP 65, FHP 80 peristaltic pumps



Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 65	2-½”	1 125	1 000	1 090	220	720	265 kg	2.2 kW
FHP 80	3”	1 230	1 063	1 245	235	860	500 kg	4.0 kW

Technical data for FHP 65

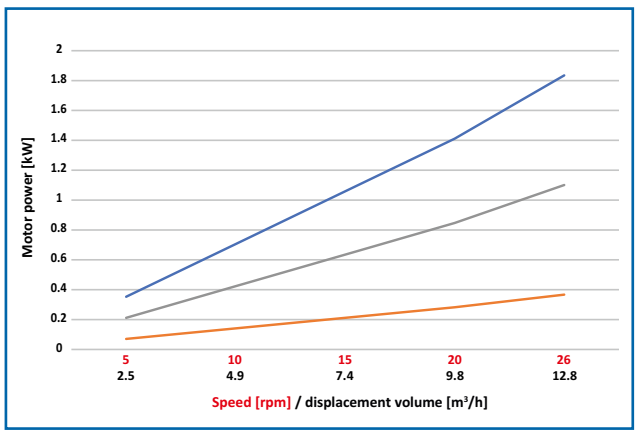
Performance data

Nominal volumetric flow	12 m³/h at 26 rpm
Operating pressure	5 bar
Motor	2.2 kW
Hose diameter	65 mm
Nominal speed	26 rpm
Output	7.69 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	2-½” BSP Thread or DN 65 Flange
Weight	approx. 265 kg

Performance curve for FHP 65



Technical data for FHP 80

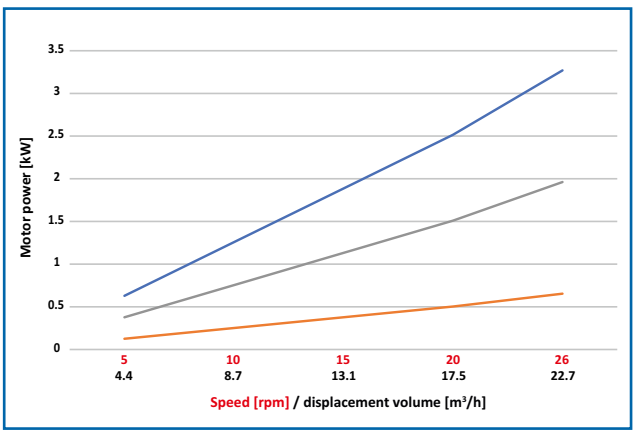
Performance data

Nominal volumetric flow	20 m³/h at 26 rpm
Operating pressure	5 bar
Motor	4.0 kW
Hose diameter	80 mm
Nominal speed	26 rpm
Output	12.82 l/rev

Materials and connections available

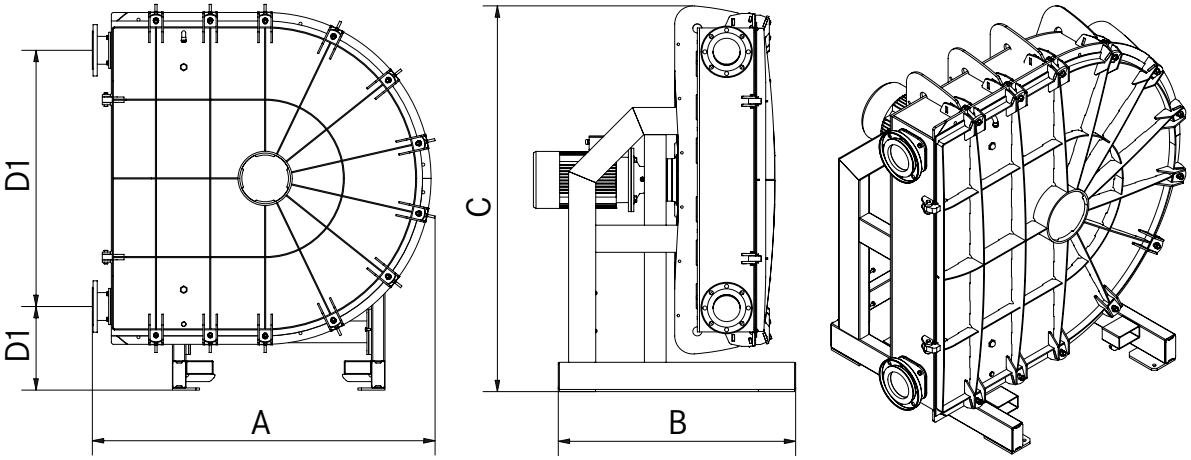
Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	3” BSP Thread or DN 80 Flange
Weight	approx. 500 kg

Performance curve for FHP 80



Technical data sheet

PERIPOWER FHP 100, FHP 125 peristaltic pumps



Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 100	4”	1 520	1 156	1 642	367	1 090	700 kg	7.5 kW
FHP 125	5”	1 743	1 455	1 816	400	1 200	1 300 kg	11 kW

Technical data for FHP 100

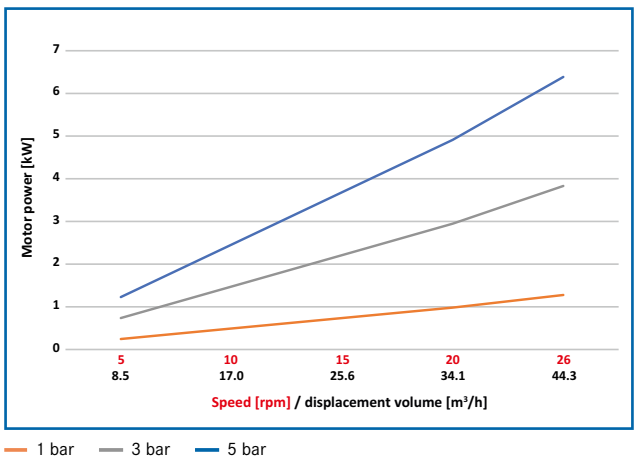
Performance data

Nominal volumetric flow	40 m³/h at 26 rpm
Operating pressure	5 bar | 10 bar
Motor	7.5 kW | 15 kW
Hose diameter	100 mm
Nominal speed	26 rpm
Output	25.64 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	4” BSP Thread or DN 100 Flange
Weight	approx. 700 kg

Performance curve for FHP 100



Technical data for FHP 125

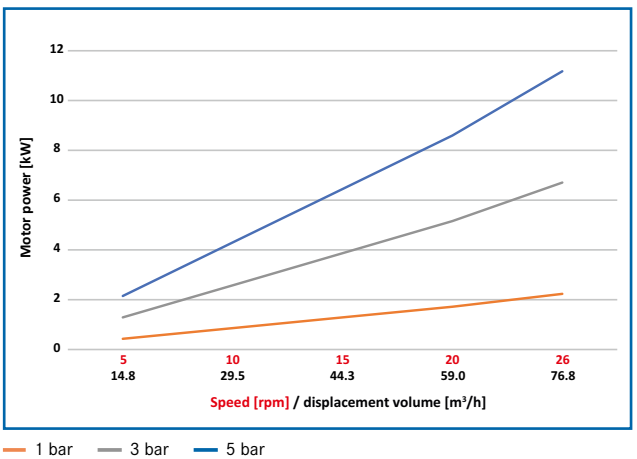
Performance data

Nominal volumetric flow	70 m³/h at 26 rpm
Operating pressure	5 bar | 10 bar
Motor	11 kW | 22 kW
Hose diameter	125 mm
Nominal speed	26 rpm
Output	44.87 l/rev

Materials and connections available

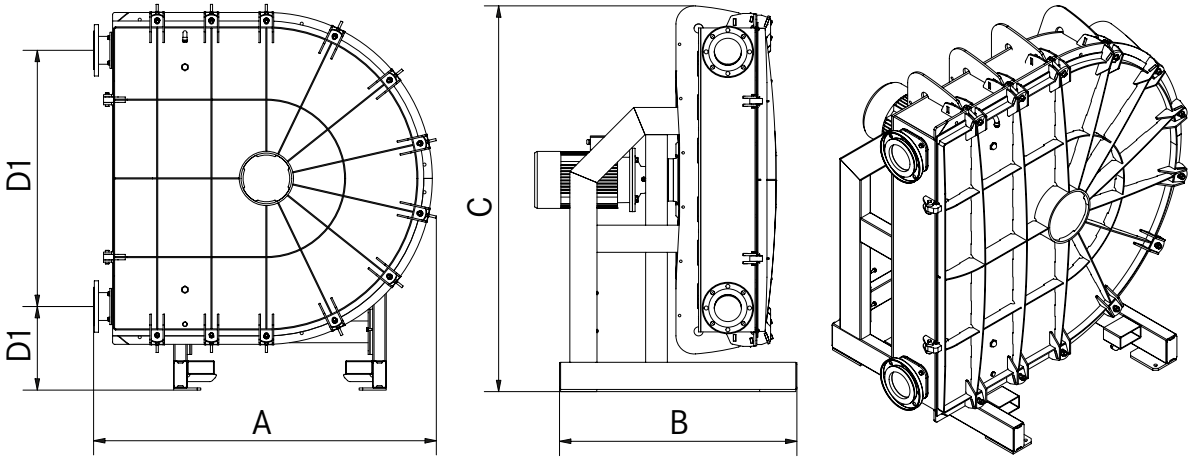
Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	5” BSP Thread or DN 125 Flange
Weight	approx. 1 300 kg

Performance curve for FHP 125



Technical data sheet

PERIPOWER FHP 150, FHP 200 peristaltic pumps



Model	Size	Dimension A	Dimension B	Dimension C	D1	D2	Weight	Motor
FHP 150	6”	1 895	1 590	2 132	461	1 420	1 800 kg	15/18 kW
FHP 200	8”	2 744	1 944	2 909	527	1 970	4 500 kg	37/45 kW

Technical data for FHP 150

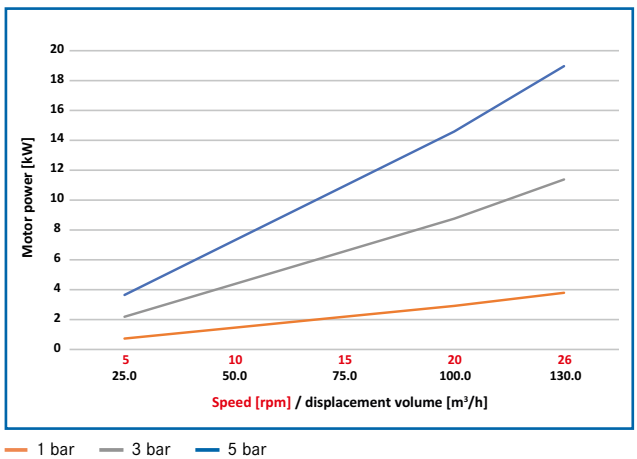
Performance data

Nominal volumetric flow	120 m³/h at 26 rpm
Operating pressure	5 bar | 10 bar
Motor	15 kW / 18 kW | 37 kW
Hose diameter	150 mm
Nominal speed	26 rpm
Output	76.92 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	6” BSP Thread or DN 150 Flange
Weight	approx. 1 800 kg

Performance curve for FHP 150



Technical data for FHP 200

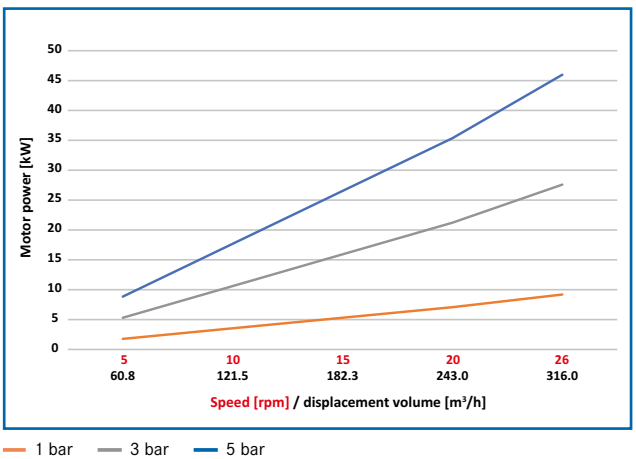
Performance data

Nominal volumetric flow	300 m³/h at 26 rpm
Operating pressure	5 bar | 10 bar
Motor	37 kW / 45 kW | 90 kW
Hose diameter	200 mm
Nominal speed	26 rpm
Output	192.31 l/rev

Materials and connections available

Housing	Steel, stainless steel
Hose	NRH, EPDM, NBR, FDA: EPDM, NBR
Connection	8” BSP Thread or DN 200 Flange
Weight	approx. 4 500 kg

Performance curve for FHP 200



The FLUX product range

Drum pumps and container pumps

Progressive cavity pumps

Drum emptying systems

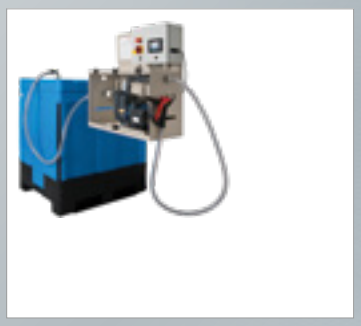
Centrifugal immersion pumps

Air-operated diaphragm pumps

Flow meters

Mixers

Magnetically Centrifugal Pumps & Filters



Filling and dosing solutions

Quick and easy way to the right pump
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