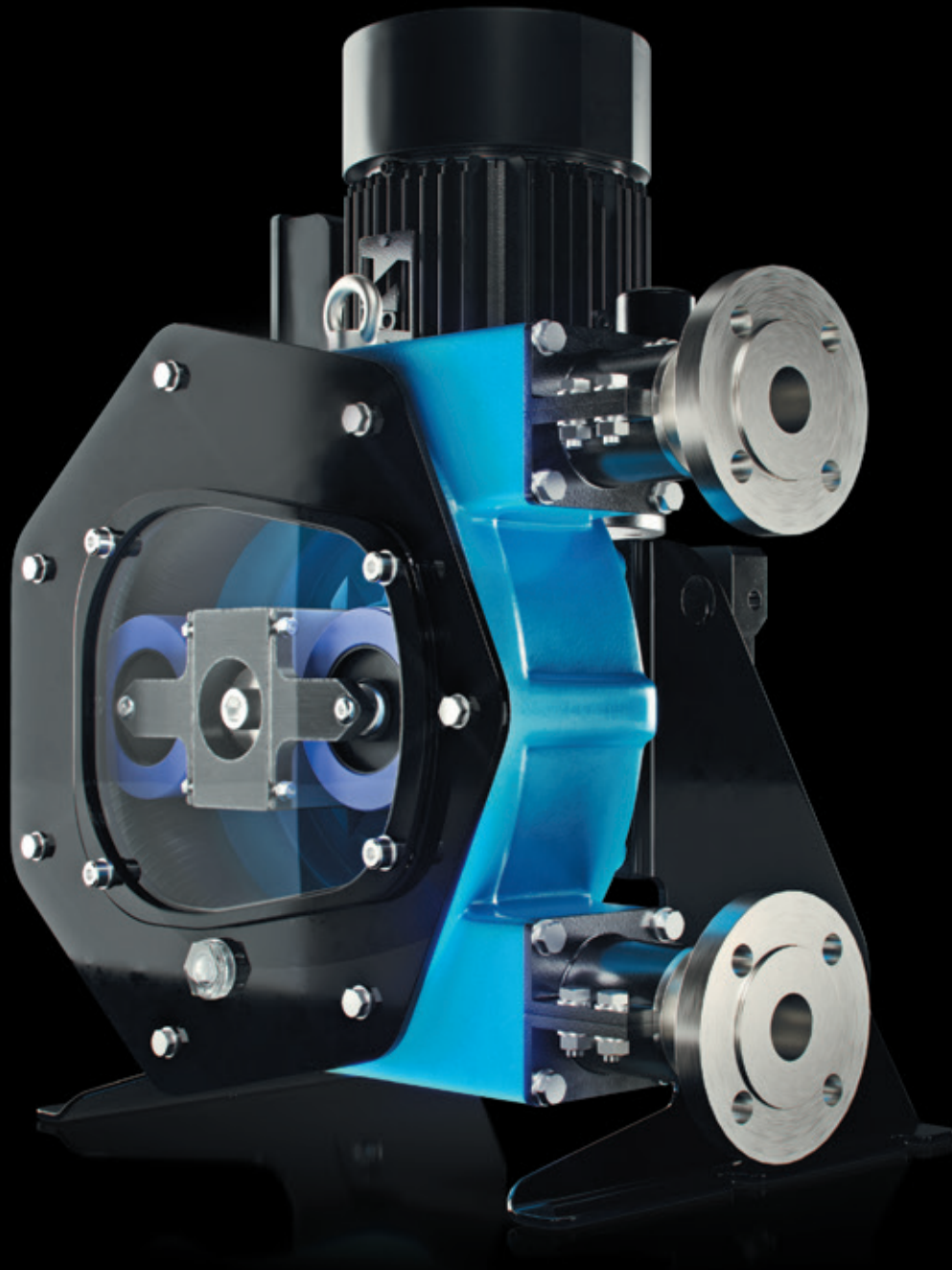


peribest



Peristaltic Pumps

PeriBest.com



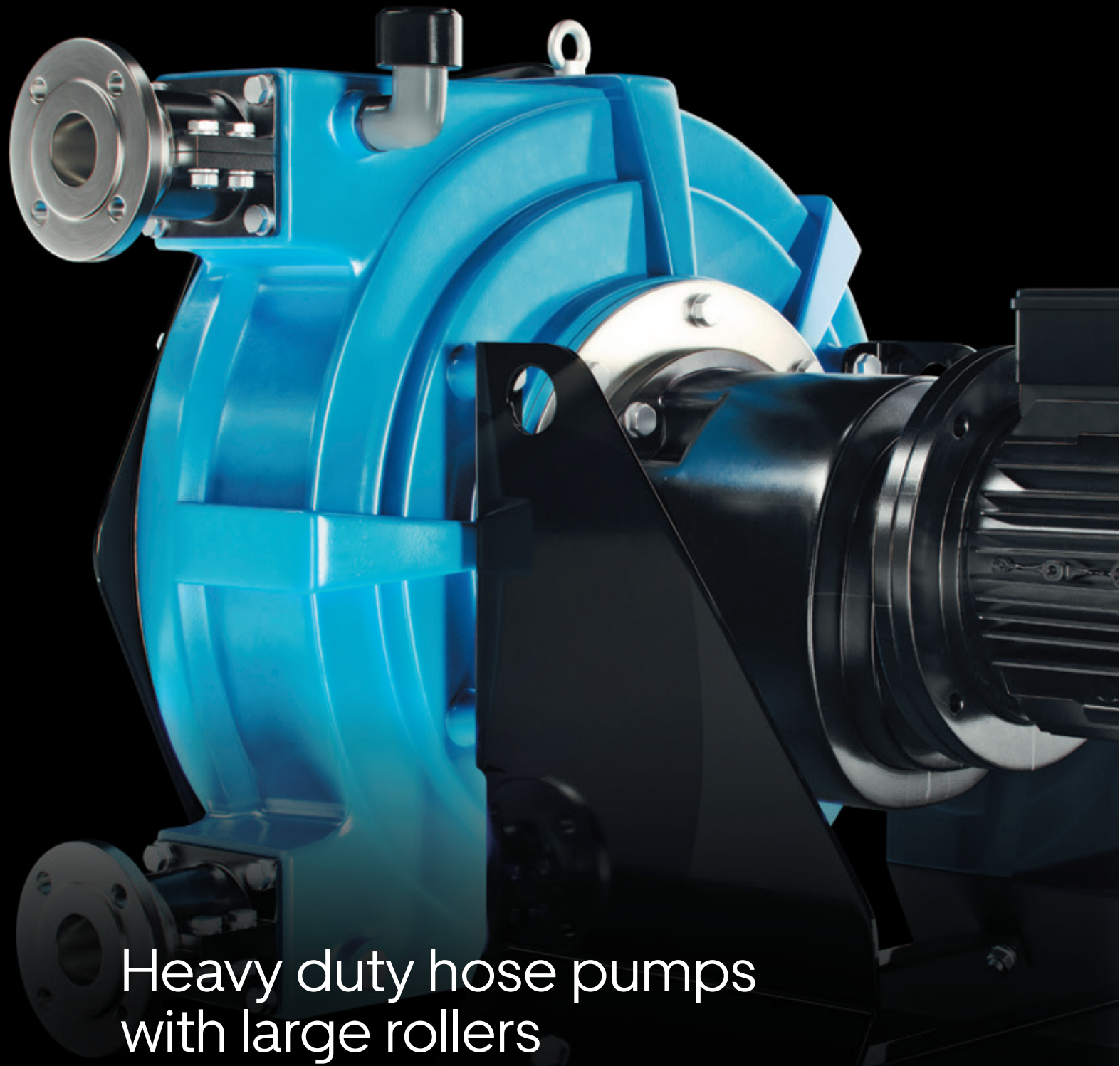
“The majority of industrial peristaltic pump manufacturers are not focused on this product and have it as a complementary product to the rest of their range. Their designs imitate what others do without thinking about new developments. This makes it a product that allows for significant improvements.

PeriBest Pumps was born with the idea of focusing on industrial peristaltic pumps, innovating and improving existing pumps, and supported by more than 20 years of experience and knowledge in this sector.

The whole organization is conceived to serve this very specific market, providing a lot of value and going a step further in the development and optimization of industrial peristaltic pumps, solving more efficiently the current applications, and allowing to reach many more.

Our goal is to become the new reference in peristaltic pumps.”

David Gil
Managing Director



Heavy duty hose pumps with large rollers

- Maximum resistance to abrasion.
- Unmatched suction capability.
- Indefinite dry running.
- No valves or mechanical seals.
- Gentle and reversible pumping.
- Full dosing control.
- Industrial, corrosion resistant and food versions.
- Dosing accuracy of $\pm 1\%$

PeriBest vs:

HOSE PUMPS WITH SHOE TECHNOLOGY

Low lubricant level by reducing the quantity by 90%, easy hose replacement, energy savings of up to 30%.

PROGRESSIVE CAVITY PUMPS

Allow dry running and have no mechanical seals. Simple adaptation to pumping of corrosive products.

DIAPHRAGM DOSING PUMPS

Easy to install, better suction and better performance with solid and viscous products.

AIR OPERATED DIAPHRAGM PUMPS

Incomparable efficiency and absence of valves that make the passage of solids difficult.

Difficult liquids are not a problem

ABRASIVE PRODUCTS

Lime milk, activated carbon, sludges and slurries ...

CORROSIVE PRODUCTS

Sodium hypochlorite, ferric chloride, hydrochloric acid ...

VISCOUS PRODUCTS

Water-based glues, greases, creams, resins ...

DELICATE PRODUCTS

Latex, polymers and flocculants, food products ...

PRODUCTS THAT GENERATES GASES

Hipoclorito sódico, cloro, amoníaco.

The best pump on the market

- ①

LATEST TECHNOLOGY PERISTALTIC HOSE

High quality hose with unique manufacturing process. Extruded inner layer, high-density textile reinforcement and precision machined outer layer that ensures optimal compression and rapid installation thanks to control of the tolerance.

Available materials compatible with all types of product and working conditions. Excellent performance against abrasion, temperature and corrosion.

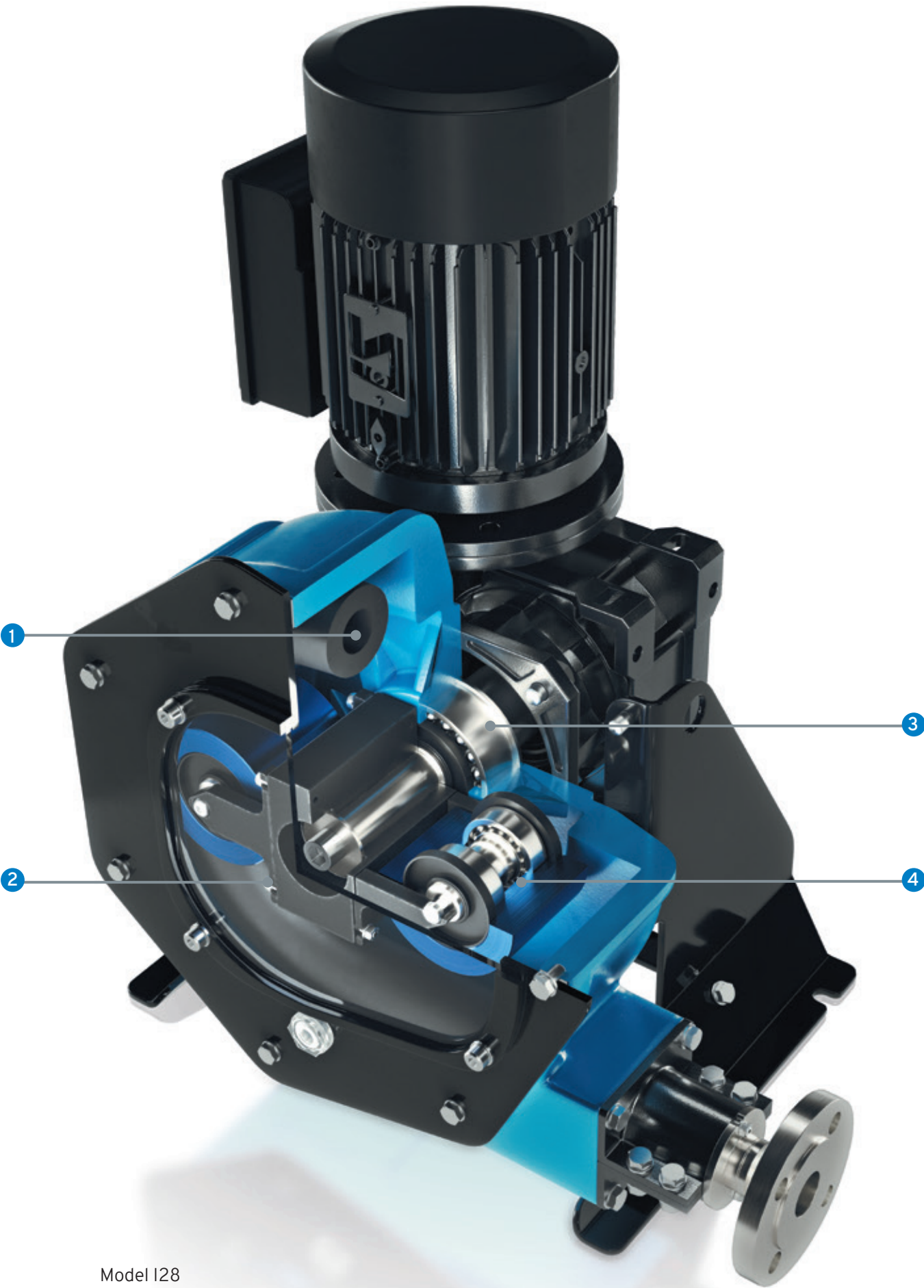
Saving on hose consumption and ease of installation. Downtime optimisation.

- ②

EASE OF ASSEMBLY, OPERATION AND MAINTENANCE

Fast and simple assembly, commissioning and maintenance. Pump design with innovative assembly that facilitates hose replacement. Routine maintenance-free pump with low lubricant level. Minimal waste generated.

Saving on maintenance costs and ease of assembly. Less downtime



- ③

EXTREMELY HEAVY-DUTY DESIGN FOR THE MOST DEMANDING APPLICATIONS

Integrated oversized bearings to withstand the radial loads, large metal rollers with oversized bearings, secure and reliable connection system and very robust construction materials. Ideal pump for continuous work applications.

Unmatched pump life and excellent equipment performance. Under any operating conditions however demanding.
- ④

XXL ROLLER TECHNOLOGY

Excellent compression of the hose with no friction and unmatched efficiency. Low energy consumption and better hose life due to roller size. Ease of operation with a minimal starting torque and a very wide frequency range.

Major energy savings, higher number of hose working hours and ease of operation.

Model I28

PeriBest I12 | I17 | I21

Ease of installation for accurate dosing.

The compact design of models I12, I17 and I21 is focused on achieving a small, heavy-duty pump with XXL bearings that is unique on the market. The bearings installed between the rotor and the gear reducer fully absorb all the axial loads, which frees the reducer from fatigue and maximises its service life.

Thanks to the precision of all the compression components, to the unique manufacturing process of the peristaltic hose, as well as the quality of its materials, a durability is achieved that is unmatched on the market in the most demanding conditions.

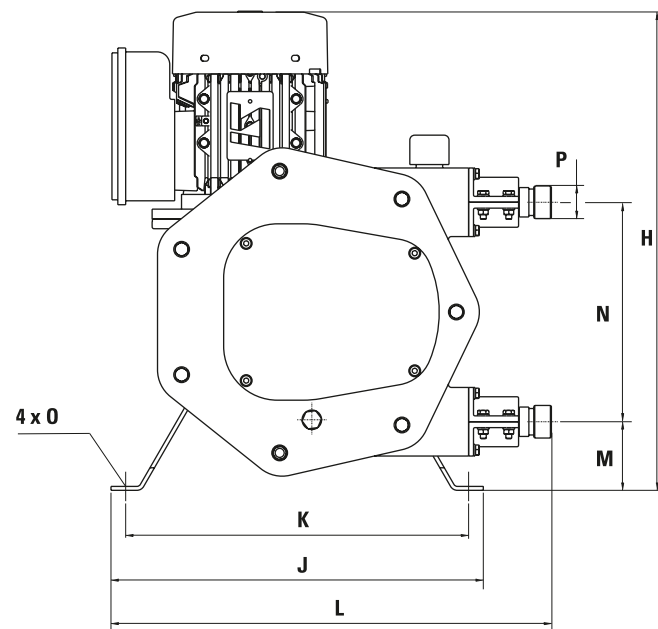
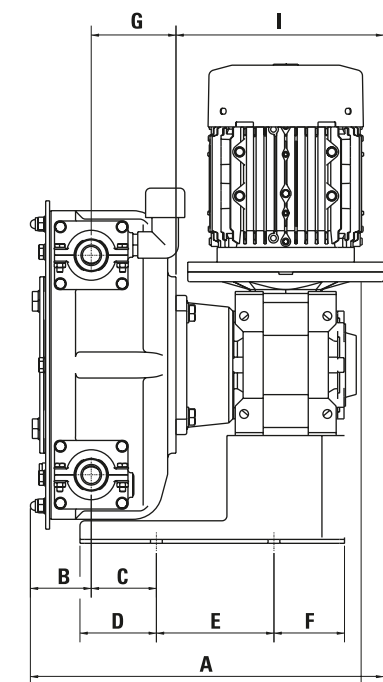
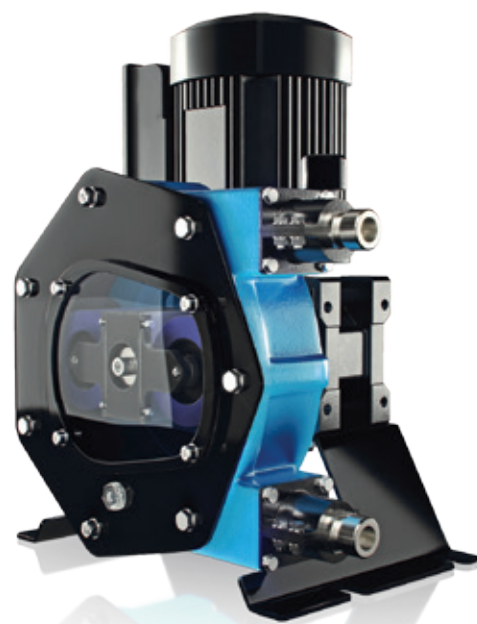
The PeriBest Hose pump models I12, I17 and I21 cover a flow rate range between 5 and 500 l/h. These robust pumps with compact vertical design are ideal for the dosing applications for all types of abrasive, corrosive, viscous or delicate products with discharge pressures of up to 10 bar.

Dosing of chemicals, additives, lime milk, activated carbon and polymers are some of the main applications that the low flow rate PeriBest pumps solve to perfection with maximum flow rate control, process efficiency and ease of installation and maintenance.



Model I17

Technical Specifications



MODEL	A*	B	C	D	E	F	G	H	I*	J	K	L	M	N	O	P
I12	240,3	47,5	50	54,3	80	32,8	55,8	367	137	265	235	305	62	116	12	BSP 3/8"
I17	292,1	55,6	61	79,5	120	25,5	66,5	436,5	170	320	285	377,6	63	195	12	BSP 3/4"
I21	360,6	62,1	66,5	78	120	72	86,5	488	212	380	350	449,5	70	224	12	BSP 1"

*Depending on the driver, dimensions could change.

I12

MAX. FLOW (CONTINUOUS)
205 l/h

CAPACITY
0,043 l/rev

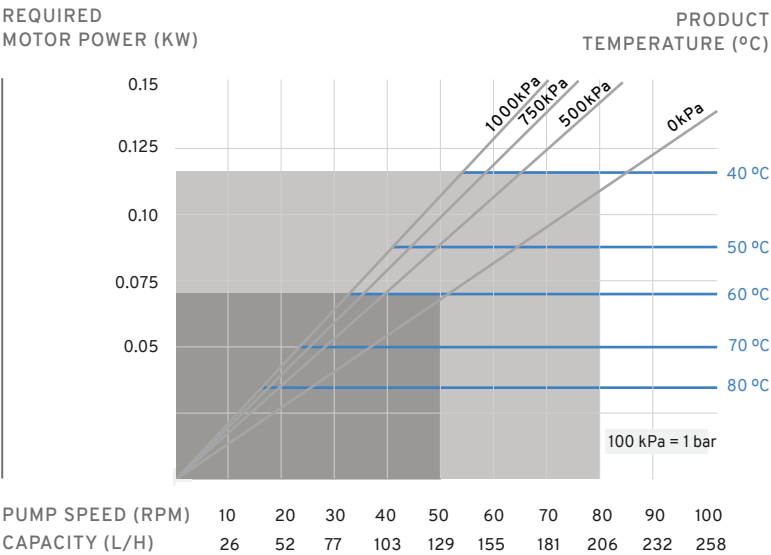
MAX. DISCHARGE PRESSURE
10 BAR

MAX. TEMPERATURE
80 °C

INNER DIAMETER
13 mm

HOSE MATERIAL
**NR, EPDM, NBR
(Food Grade) & Hypalon®**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)



I17

MAX. FLOW (CONTINUOUS)
500 l/h

CAPACITY
0,109 l/rev

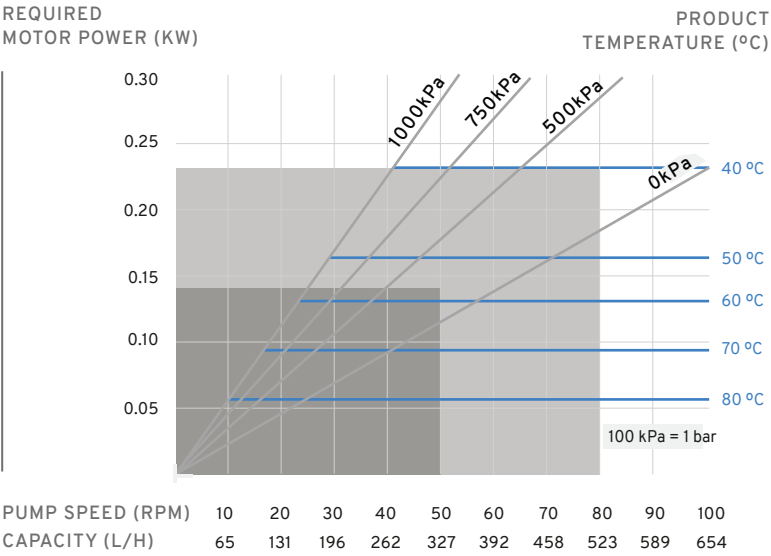
MAX. DISCHARGE PRESSURE
10 BAR

MAX. TEMPERATURE
80 °C

INNER DIAMETER
16 mm

HOSE MATERIAL
**NR, EPDM, NBR
(Food Grade) & Hypalon®**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)



I21

MAX. FLOW (CONTINUOUS)
1100 l/h

CAPACITY
0,227 l/rev

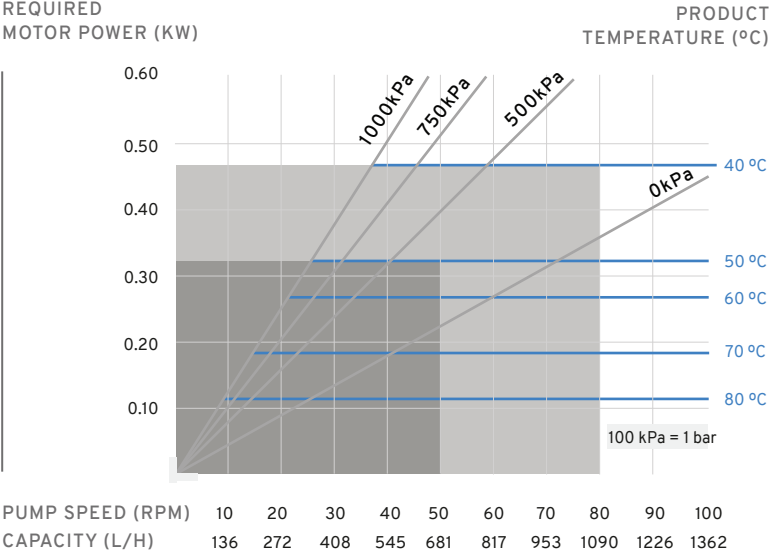
MAX. DISCHARGE PRESSURE
10 BAR

MAX. TEMPERATURE
80 °C

INNER DIAMETER
22 mm

HOSE MATERIAL
**NR, EPDM, NBR
(Food Grade) & Hypalon®**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)





Model I28

PeriBest I28 | I35

The most compact and heavy-duty solution for medium flow rates.

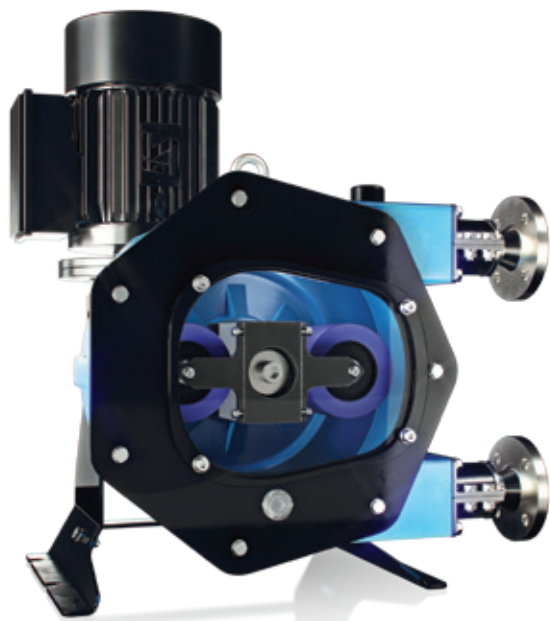
The range of medium flow rates between 250 and 3,000 l/h is perfectly covered with the PeriBest pump models I28 and I35.

The competitiveness of these models, both from an economic and technological point of view, positions this product range as unrivalled on the market. It is a highly efficient and heavy-duty unit with a hose compression system that provides maximum accuracy, effectiveness and durability.

The lack of valves and mechanical seals, the dry running capability and great suction power make the PeriBest peristaltic pump the best option for dosing or transferring highly abrasive, shear sensitive, viscous or corrosive products.

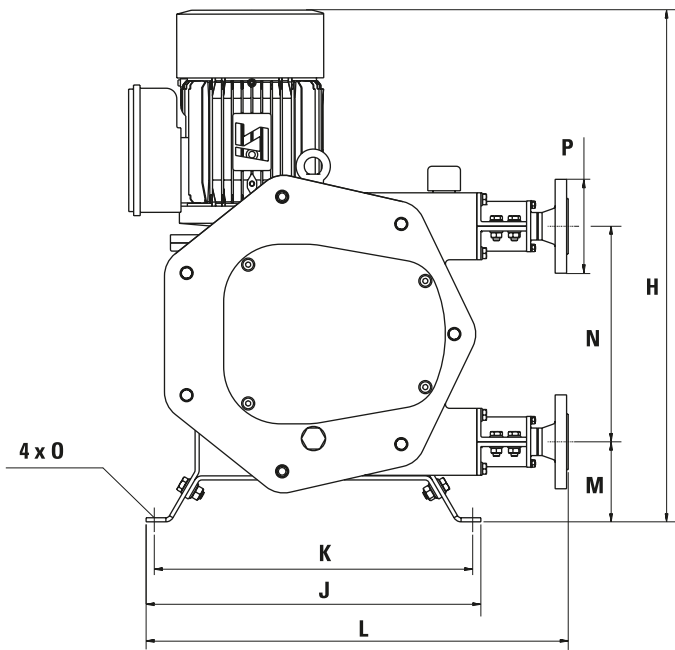
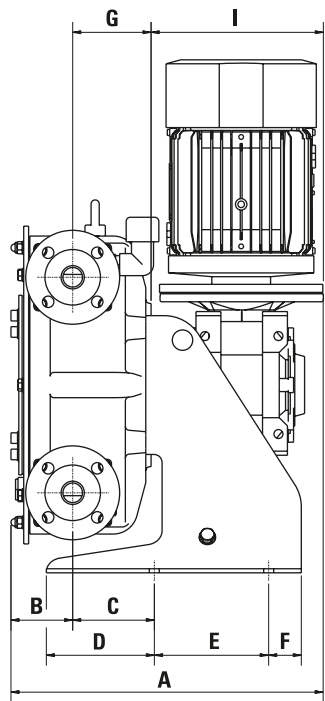
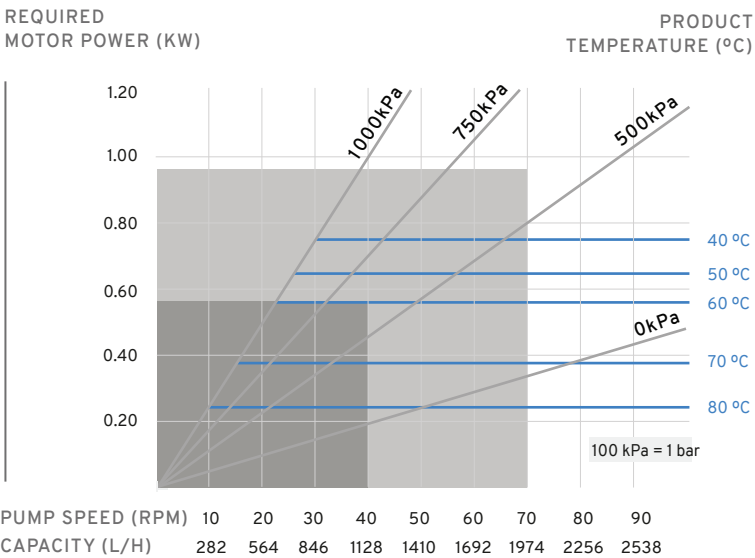
The robustness of the I28 and I35 pumps is based on the two integrated rollers, which absorb the axial loads between the rotor and the reducer, a rotor assembly and XXL rollers with maximum performance and innovative design, a compact and easy mounting system, together with very robust construction materials that are fully treated with the latest hardening and anti-corrosion processes on the market.

Technical Specifications



I28

- MAX. FLOW (CONTINUOUS)
1900 l/h
- CAPACITY
0,47 l/rev
- MAX. DISCHARGE PRESSURE
10 BAR
- MAX. TEMPERATURE
80 °C
- INNER DIAMETER
28 mm
- HOSE MATERIAL
NR, EPDM y NBR
(Food Grade)
- CONNECTIONS
AISI-316 PP, PVDF (PTFE)

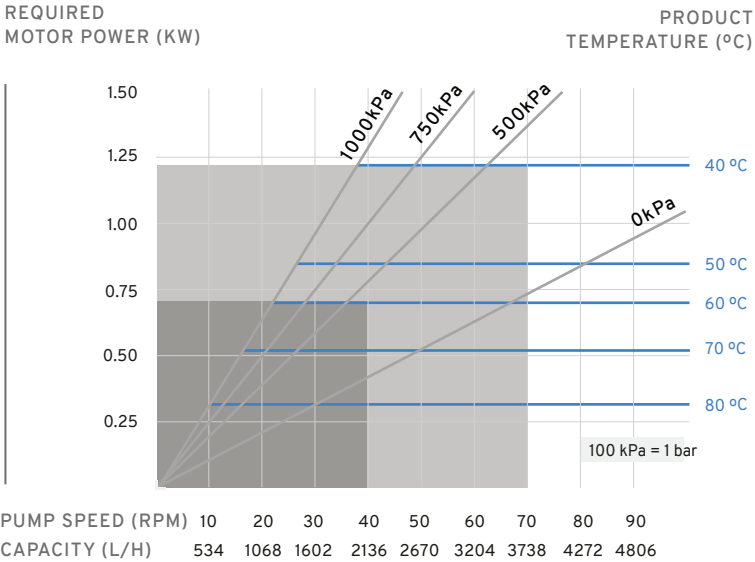


MODEL	A*	B	C	D	E	F	G	H	I*	J	K	L	M	N	O	P
I28	382,3	75,6	100	132,3	140	40	96	627	211	410	390	517	98	264	12	DN-25
I35	408,6	85,1	134,5	161,8	140	40	112,5	677	211	460	440	583	105	330	12	DN-32

*Depending on the driver, dimensions could change.

I35

- MAX. FLOW (CONTINUOUS)
3600 l/h
- CAPACITY
0,89 l/rev
- MAX. DISCHARGE PRESSURE
10 BAR
- MAX. TEMPERATURE
80 °C
- INNER DIAMETER
35 mm
- HOSE MATERIAL
NR, EPDM y NBR
(Food Grade)
- CONNECTIONS
AISI-316 PP, PVDF (PTFE)



PeriBest I43 | I55 | I70

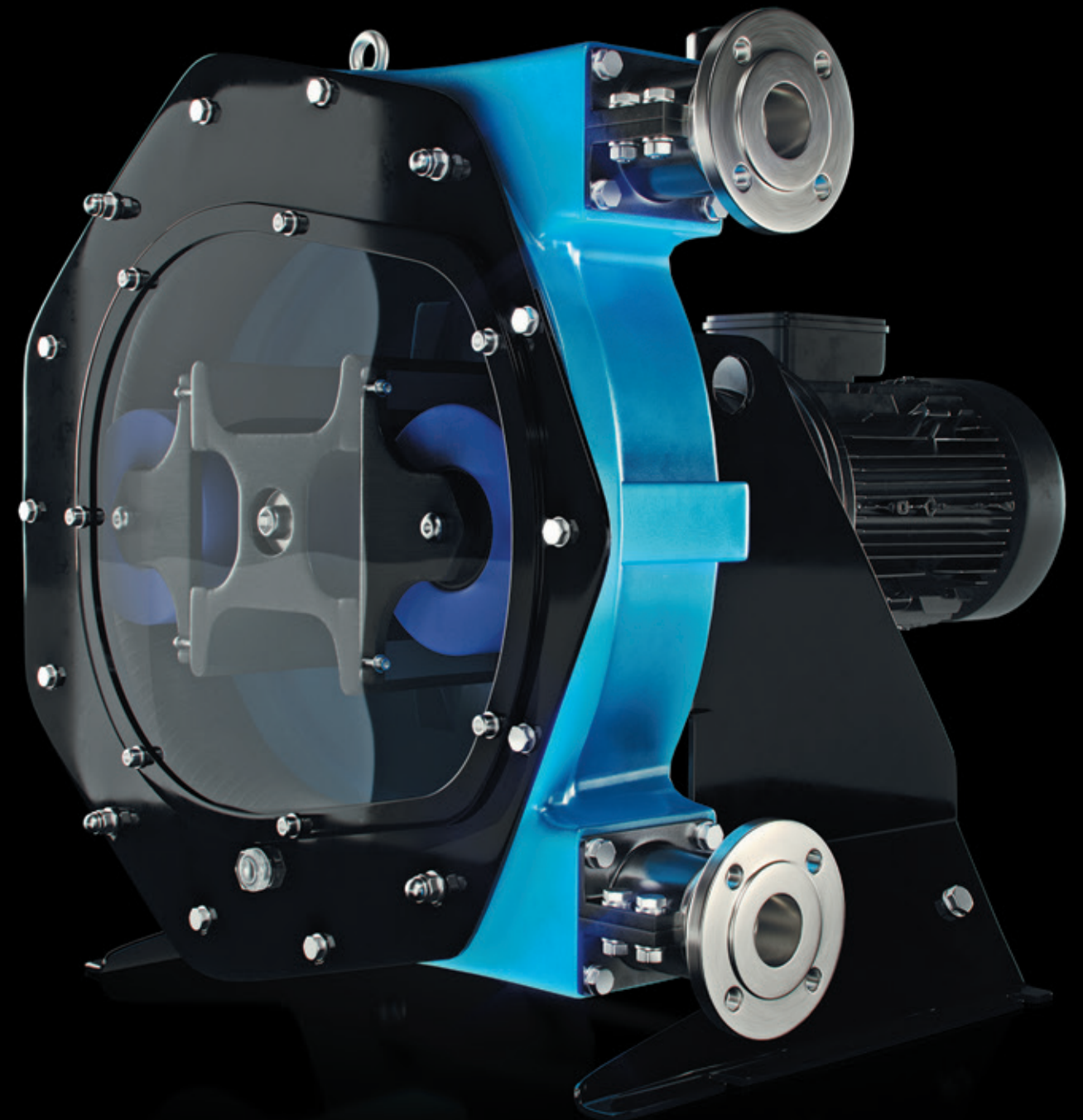
Transfer and dosing with maximum efficiency and durability.

The I43 and I55 models complete the PeriBest peristaltic pump line with a flow rate range between 1,500 and 20,000 l/h. This can be extended by means of a double-head pump up to 40,000 l/h. These two models are perfect for dosing operations of all types of product, where, thanks to the excellent flow rate control, to the constant flow rate in variable pressure applications and to the gentle pumping, accuracies of up to $\pm 1\%$ can be achieved. They are also ideal for transfer applications of fluids that are highly abrasive, viscous or contain solids in suspension, as the pump has a large solid size capacity.

The lack of valves and mechanical seals, in addition to the heavy duty and horizontal monoblock design with bearing box, makes the PeriBest peristaltic pump a very robust and ideal option for any pumping application however difficult it may be.

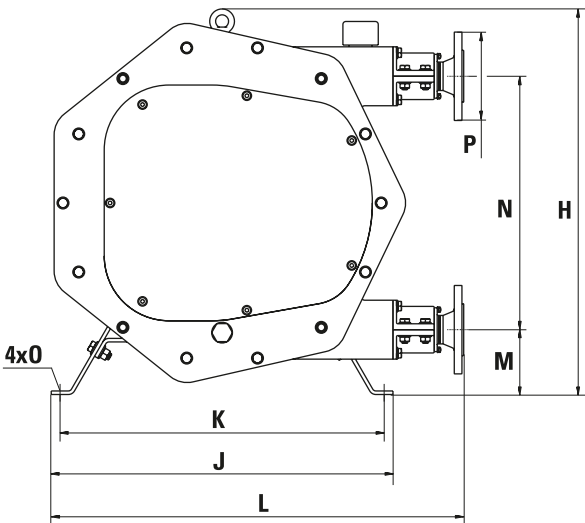
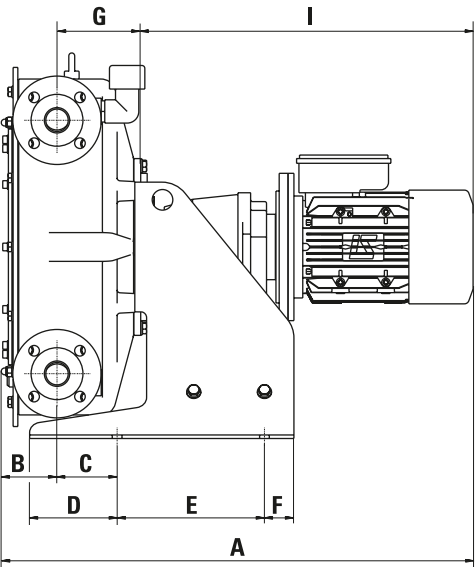
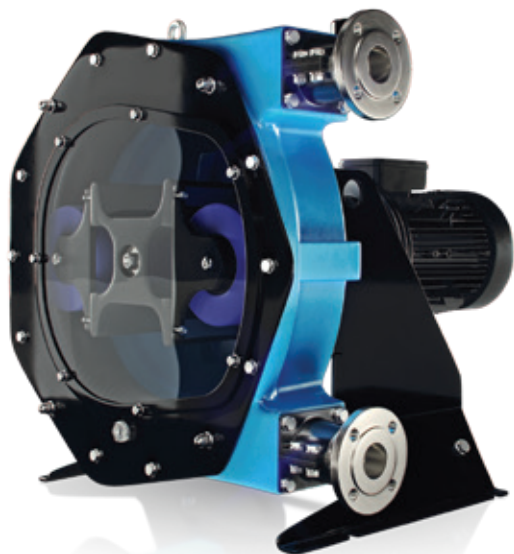
The indefinite dry running and the suction capacity of up to 9.5 mWc complements the capacities of the PeriBest product range.

The installation of the bearing box in the pump casing provides perfect alignment as well as full absorption of the loads on the reducer shaft. The bearing box is made up of a central hub which supports the reinforced and oversized bearings plus the pump shaft in order to achieve a compact and very robust assembly.



Model I55

Technical Specifications



MODEL	A*	B	C	D	E	F	G	H	I*	J	K	L	M	N	O	P
I43	800,6	96,6	102	148,5	250	50	142	655	564	580	550	700	110	430	16	DN-40
I55	947,1	107	95	129	380	39,5	156,5	820	684	690	660	820	143	554	16	DN-50
I70	957	131	234	320	500	80	173	1069	736	900	850	1066	152	746	20	DN-65

*Depending on the driver, dimensions could change.

I43

MAX. FLOW (CONTINUOUS)
7000 l/h

CAPACITY
1,69 l/rev

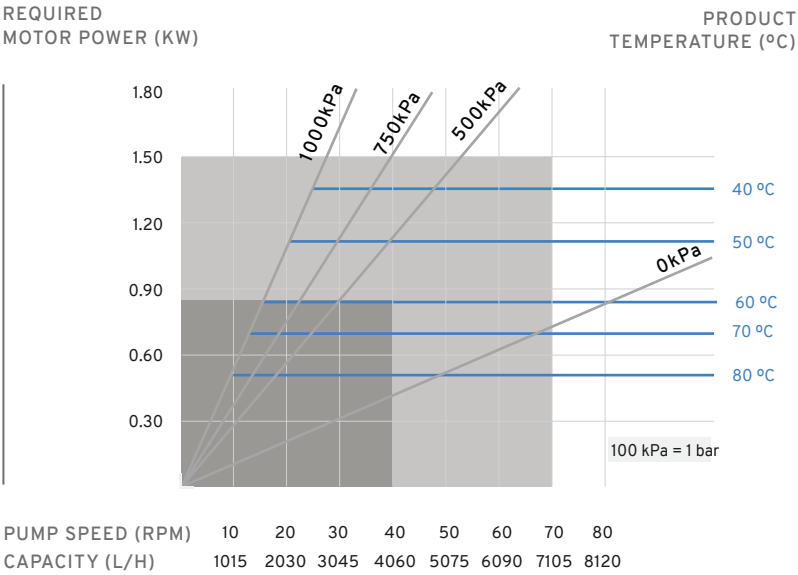
MAX. DISCHARGE PRESSURE
10 BAR

MAX. TEMPERATURE
80 °C

INNER DIAMETER
43 mm

HOSE MATERIAL
**NR, EPDM y NBR
(Food Grade)**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)



I55

MAX. FLOW (CONTINUOUS)
13.000 l/h

CAPACITY
3,71 l/rev

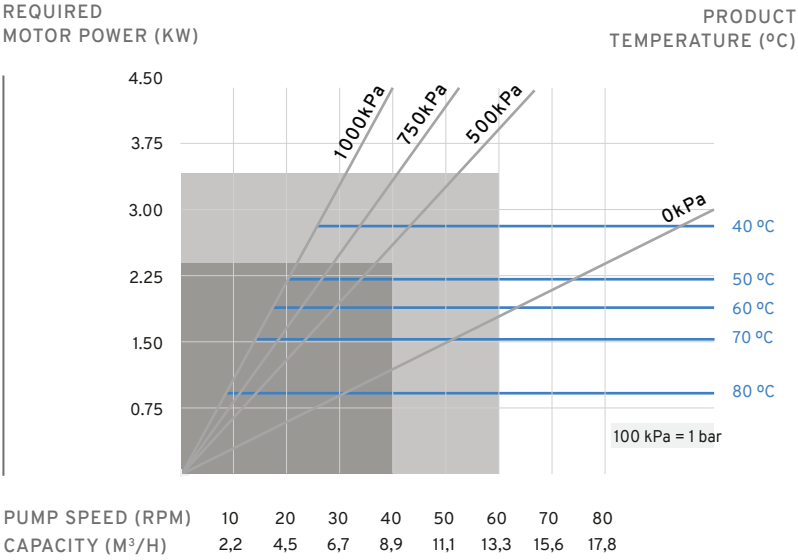
MAX. DISCHARGE PRESSURE
10 BAR

MAX. TEMPERATURE
80 °C

INNER DIAMETER
55 mm

HOSE MATERIAL
**NR, EPDM y NBR
(Food Grade)**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)



I70

MAX. FLOW (CONTINUOUS)
20800 l/h

CAPACITY
7,7 l/rev

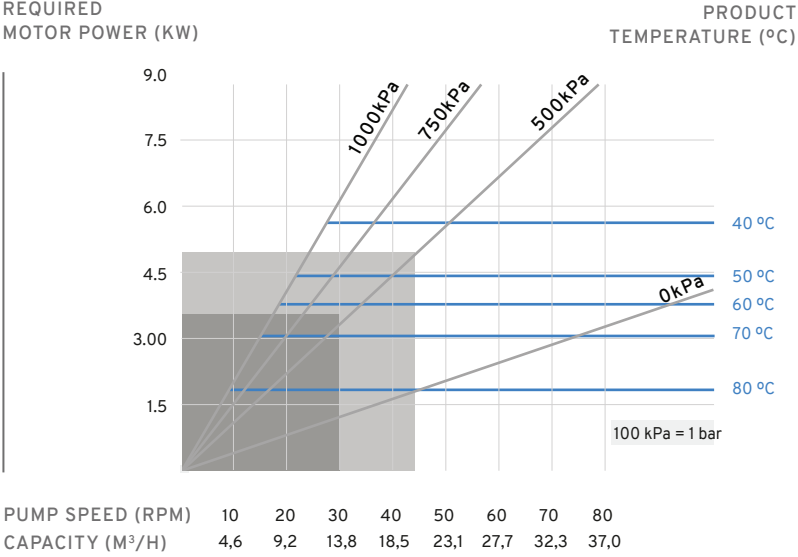
MAX. DISCHARGE PRESSURE
10 BAR

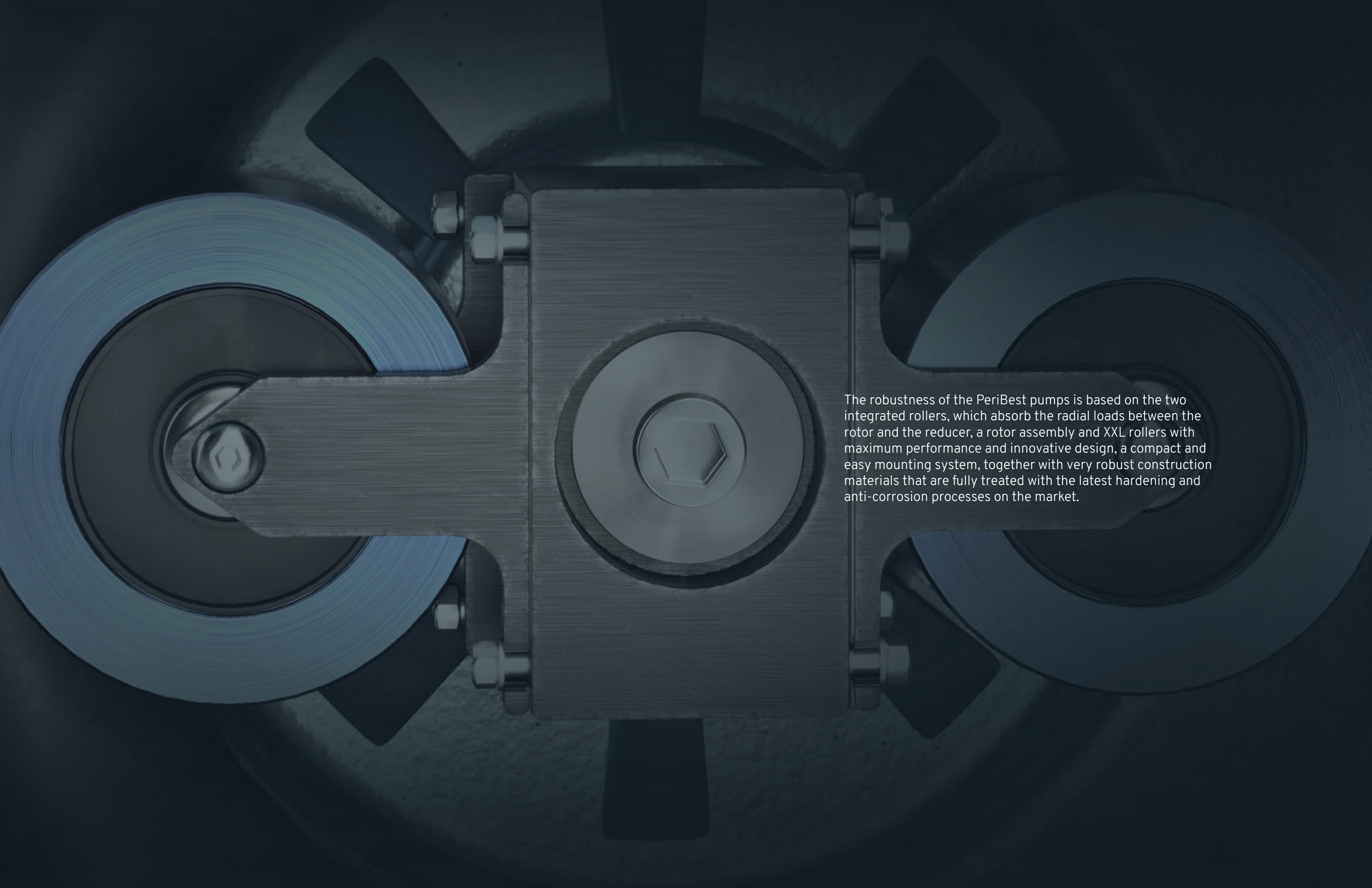
MAX. TEMPERATURE
80 °C

INNER DIAMETER
70 mm

HOSE MATERIAL
**NR, EPDM y NBR
(Food Grade)**

CONNECTIONS
AISI-316 PP, PVDF (PTFE)





The robustness of the PeriBest pumps is based on the two integrated rollers, which absorb the radial loads between the rotor and the reducer, a rotor assembly and XXL rollers with maximum performance and innovative design, a compact and easy mounting system, together with very robust construction materials that are fully treated with the latest hardening and anti-corrosion processes on the market.



Food grade version

A new concept for pumping of food grade products.

The food grade version of the PeriBest hose pumps incorporates the necessary modifications to the unit to have a completely sanitary pump that is compatible with food & beverage and cosmetic products, which meets the current specifications and regulations.

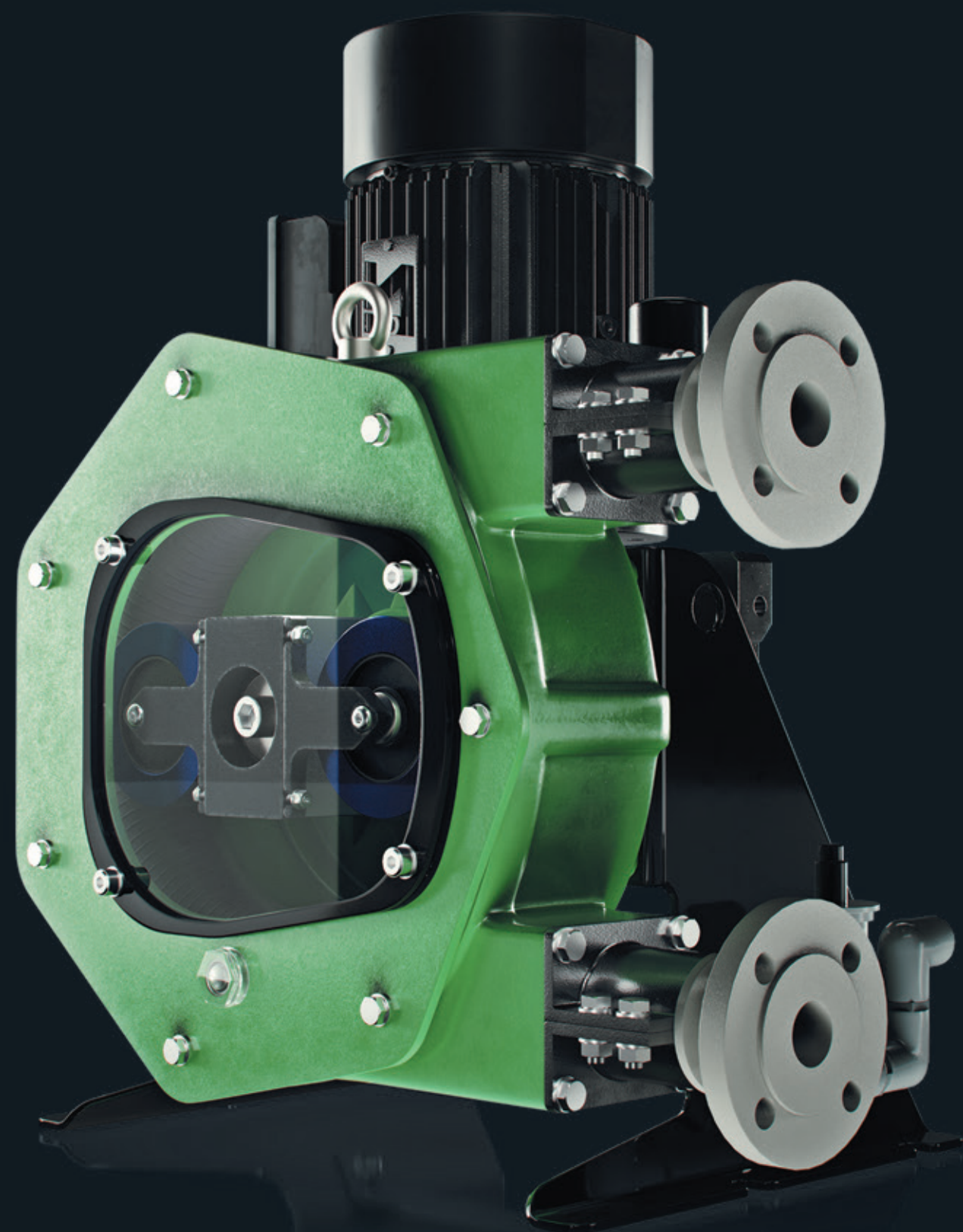
THIS VERSION IS PRINCIPALLY MADE UP OF:

- The latest generation peristaltic hose in FDA Food grade Nitrile
- DIN 11851 or Tri-clamp sanitary connections
- Easy and quick to remove front cover to aid CIP cleaning processes
- Front removal roller
- Stainless steel base plate and cover
- Pump casing painted in sanitary white

The use of this version optimises downtimes, facilitates cleaning processes and improves efficiency. The innovative peristaltic hose manufacturing process provides extra resistance against temperature, lengthens service life and reduces maintenance costs of the equipment.

RECOMMENDED APPLICATIONS FOR THE FOOD GRADE VERSION:

- Transfer of juices and sauces
- Dosing of additives, colourings, flavourings and enzymes
- Pumping of food products such as drinks, dairy and confectionery
- Yeast pumping
- Oil pumping
- Wine transfer



Chemical version

The best solution for dosing corrosive products.

The chemical version of the PeriBest pump has the necessary changes to the unit to give a fully protected product that is resistant to the attack of highly corrosive acids and all kinds of difficult chemicals.

THIS VERSION IS PRINCIPALLY MADE UP OF:

- The latest generation peristaltic hose in NR or EPDM
- Pump casing and front cover coating in TEFZEL®
- Plastic connections in polypropylene or PVDF
- Hose leakage sensor
- Corrosion resistant rollers
- Drainage system

As result of these specifications, we achieve a fully corrosion resistant, very strong and heavy-duty pump at a very competitive price. Without doubt, the best option for a corrosion resistant peristaltic pump on the market.

RECOMMENDED APPLICATIONS FOR THE CHEMICAL VERSION:

- Sodium hypochlorite dosing
- Ferric chloride dosing
- Hydrochloric acid dosing
- Phosphoric acid dosing
- And other acidic liquids in general

Water treatment

PeriBest hose pump downtimes are minimal thanks to their optimised design. This advantage is very important in continuous work applications that are common in this sector. Dosing of highly corrosive products such as sodium hypochlorite or ferric chloride is perfectly compatible using the chemical version of the PeriBest pump.

Sludges, slurries and products with a high solids content or that are very abrasive such as lime milk are not a problem for the PeriBest pump. Its robustness is achieved with the use of very strong materials, integrated bearings, large-size rollers and a system of reliable and very secure connections that prevent the appearance of leaks during its operation.

ADVANTAGES OF THE PERIBEST PERISTALTIC PUMPS

- Ease of maintenance. The only wear part is the hose and can be easily and quickly replace .
- High resistance to abrasion. Pumps work at very low speed and don't have any rotating part in contact with the media.
- Suction capacity of up to 9.5 mWc.
- Corrosion resistance. Only hose and connections are in contact with the media.
- Gentle pumping at low speed without shearing effect.
- Pumping of gaseous products without problems for indefinite periods.

SUCCESSFUL APPLICATIONS IN WATER TREATMENT...

- Dosing and transfer of abrasive products: Lime slurry, activated carbon, slurries with high solid content.
- Pumping of products with high suction conditions, such as sampling or products stored in double-walled tanks for safety reasons.
- Dosing and transfer of corrosive products such as sodium hypochlorite, ferric chloride and caustic soda.
- Dosing and transferring sensitive products such as polymer or flocculant.

Chemical industry

The chemical industry demands equipment with high technical performance and materials with good durability. Excessive downtime for maintenance is always a problem and this is precisely what the PeriBest peristaltic pump solves, compared with the traditional competition.

The high resistance to corrosion makes PeriBest pumps as an excellent choice for dosing and pumping all types of corrosive, abrasive or viscous products.

ADVANTAGES OF THE PERIBEST PERISTALTIC PUMPS

- Ability to pump corrosive products easily and safely, as there are only two elements in contact with the pumped product: the hose and the connections.
- No mechanical seals or valves for the pumping of difficult, viscous, sticky products or that contain solids.
- Ease of maintenance and operation for continuous work applications (24 h/7 days) due to the design and robustness of the equipment.
- Chemical version with materials that are resistant to highly concentrated acids with Tefzel coating and hose leakage sensor.

SUCCESSFUL APPLICATIONS IN THE CHEMICAL INDUSTRY...

- Dosing of pigments and water-based paints.
- Transfer of highly abrasive products such as titanium dioxide.
- Dosing of resins.
- Dosing of detergents, creams and water-based glues.
- Dosing of all types of acid or base corrosive chemicals.





Mining industry

PeriBest peristaltic pumps optimise the pumping of products with a high concentration of solids, increasing their concentration by up to 80%, thus reducing water consumption, saving energy and minimising sludge storage capacity.

The robustness of the pumps and their ease of maintenance with a single wear element, the hose, make PeriBest pumps the most reliable option for transferring and dosing in this sector.

ADVANTAGES OF THE PERIBEST HOSE PUMPS

- Minimal downtime due to easy maintenance with the hose as the only wear element that can be changed easily and quickly.
- Excellent resistance to abrasion in the pumping of products with high solid content up to 80% solids.
- Long component life for continuous operation (24/7), thanks to the design and robustness of the equipment.
- Corrosion resistance: Only the hose and fittings are in contact with the fluid.

SUCCESSFUL APPLICATIONS IN THE MINING INDUSTRY

- Dosing of cyanide and xanthate.
- Transfer or dosing of polymers and flocculants.
- Accurate and reliable dosing of reagents to optimise mineral extraction.
- Transfer of mining slurries, thickener sludge concentrates and sludges with high solids concentration.



Food & Beverage and Cosmetics

The Food & Beverage and Cosmetics industry requires a sanitary design with fully compatible and non-contaminating materials in contact with the fluid.

PeriBest has designed a pump in its food grade version that is fully suited to the pumping of

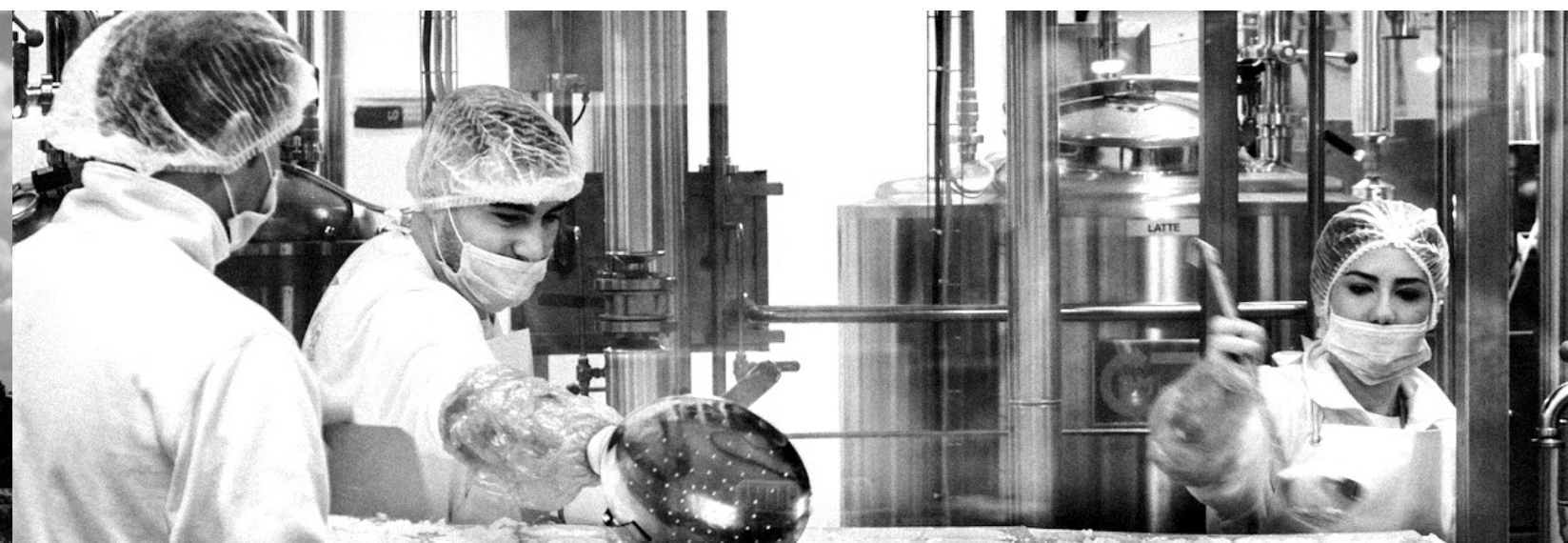
food products. Its application is based on the use of food grade peristaltic hoses manufactured in FDA food grade Nitrile, DIN 11851 or Tri-clamp type sanitary connections and a design that facilitates CIP cleaning thanks to ease of dismantling.

ADVANTAGES OF THE PERIBEST HOSE PUMPS

- Easy and quick removal of front cover and front removal roller.
- Food grade internal lubricant.
- Gentle pumping of the fluid to avoid damaging sensitive products. Maximum process efficiency.
- Full control of dosing. $\pm 1\%$ accuracy.

SUCCESSFUL APPLICATIONS IN THE FOOD & BEVERAGE AND COSMETICS INDUSTRY

- Pumping of diatomaceous earth or Kieselguhr in filtration processes in the beverage industry.
- Transfer of viscous juices and sauces or with solid pieces in the mixture.
- Various additives, colourings and flavourings for food.
- Feeding to filling machines.





Ceramics and Construction industry

Both in the Ceramics and Construction industries, the pumping of all types of highly abrasive fluids is continuous. This is why pump wear and high spares consumption are the order of the day.

resistance of PeriBest peristaltic pumps, spare parts consumption and downtime are significantly reduced, thus optimising plant efficiency and reducing production costs.

Thanks to the robustness and high abrasion

ADVANTAGES OF THE PERIBEST HOSE PUMPS

- High resistance to abrasion when transferring highly abrasive products.
- Low spares consumption and optimisation of the downtime processes.
- Ease of maintenance and operation of continuous work applications (24 h/7 days) due to the design and robustness of the equipment.
- Very robust and reliable solution without valves or mechanical seals.

SUCCESSFUL APPLICATIONS IN THE CERAMICS AND CONSTRUCTION INDUSTRY

- Dosing of very abrasive products such as barium carbonate and potassium permanganate.
- Transfer of ceramic barbotine.
- Dosing of additives and colourings for the cement.
- Transfer of low-density cement.



Paper industry

It is usual to pump a large quantity of waste water with fibre residue, chemical substances for treatment, etc.

In these cases, PeriBest peristaltic pumps are an excellent solution, both for their high

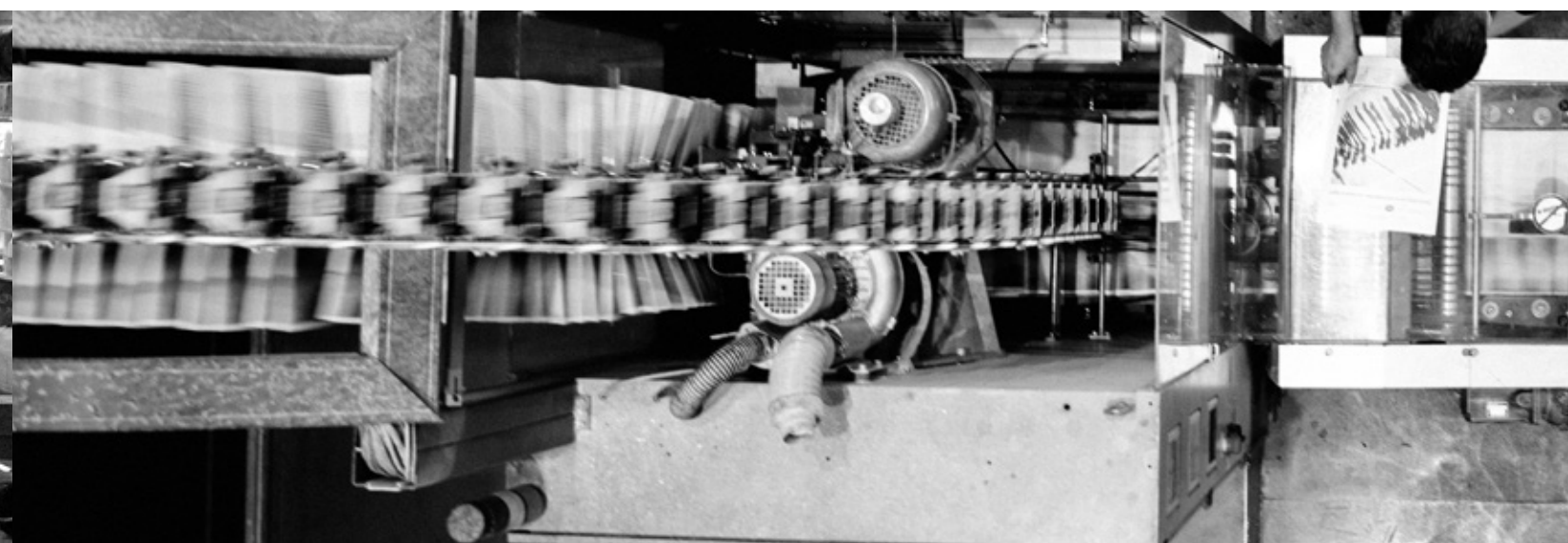
resistance to abrasion and for the robustness of the equipment, which guarantees a great durability even when working with the most complicated products in 24/7 continuous working conditions.

ADVANTAGES OF THE PERIBEST HOSE PUMPS

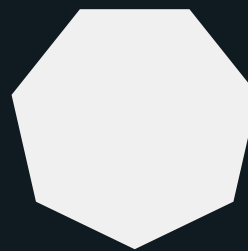
- Accurate and controlled dosing of chemical products.
- High resistance to abrasion when transferring highly abrasive products.
- Lack of problematic components such as mechanical seals and valves.
- Low spares consumption and optimisation of the downtime processes.

SUCCESSFUL APPLICATIONS IN THE PAPER INDUSTRY

- Dosing of chemicals and paint.
- Transfer of paper pulp.
- Dosing of lime milk.
- Dosing of additives and colourings.
- Dosing and transfer of glues.



PeriBest.com



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