

tapflo®

# HOSE PUMPS

2023 | 1



» All about your flow®

[www.tapflo.com](http://www.tapflo.com)

# Hose Pumps



Certificates may vary depending on material execution of particular product.

solutions for difficult, abrasive, corrosive and viscous liquids with particles

## PT - high pressure (up to 15 bars)

- » capacity 0 - 60m<sup>3</sup>/h (up to 150 m<sup>3</sup>/h twin head)
- » shoe design
- » lubricant type: glycerine FDA
- » housing material - nodular cast iron
- » 15 sizes available
- » horizontal and vertical gear motor position
- » industries: industrial, paint, waste water treatment, food, paper mills, chemical, biogas, recycling, mining, building



## PTL - low pressure (up to 4 bars)

- » capacity up to 5 m<sup>3</sup>/h (up to 10m<sup>3</sup>/h twin head)
- » roller design
- » lubricant type: silicone grease
- » housing material - aluminium
- » 6 (7) sizes available
- » horizontal and vertical gear motor position
- » industries: pharmaceutical, water treatment food & beverage, cosmetics, chemical



## Clean PRO - Pioneer Cleaning Technology (up to 10 bars)

- » capacity up to 12 m<sup>3</sup>/h
- » special Clean In Place shoe design
- » lubricant type: glycerine FDA
- » housing material - nodular cast iron
- » 2 (3) sizes available
- » industries: pharmaceutical, food, cosmetics



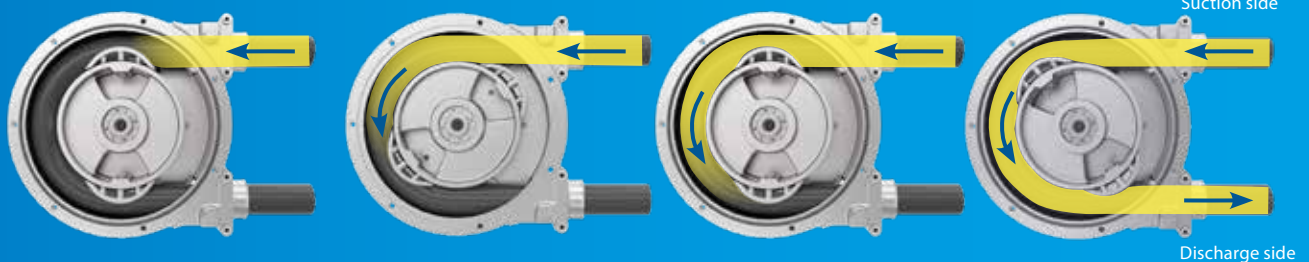
Product images are for illustrative purposes only and may differ from the actual product.

## Features & Benefits

- ✓ **Pumping difficult liquids**  
Peristaltic pumps are ideally suited for pumping highly abrasive, corrosive, viscous liquids with particles
- ✓ **Simple maintenance, less downtime**  
Few components, the liquid is only in contact with the inner hose, no seals
- ✓ **Easy operation**  
No special qualified persons are needed
- ✓ **Cost-effective**  
Low TOC (Total costs of ownership)
- ✓ **No turbulence**  
In the case of highly abrasive media, gentle, low-wear pumping takes place. Also for sensitive media.
- ✓ **Self-priming**  
Best suction capacity up to -0.9 bar
- ✓ **High viscosity**  
Viscosities of up to 100,000 mPas can be pumped
- ✓ **Reversible operation**  
Simply change the direction of rotation to empty lines
- ✓ **Adjustable flow / Dosing**  
By changing the speed (e.g. using a frequency converter) the flow rate can be regulated, also for dosing tasks with an accuracy of approx.  $\pm 5\%$
- ✓ **Safe to run dry**  
Easy to use, no monitoring required, pump can run dry
- ✓ **Extensive configuration options different mounting positions**



## Working principle



### PTL PUMPS – ROLLER DESIGN FOR LOWER PRESSURES UP TO 4 BAR

The rollers are assembled on the brackets and rotor using bearings therefore eliminating most of the friction on the hose caused by a sliding roller. This allows the pumps to run at much higher speeds but only with limited discharge pressure. The roller design requires much less lubrication (only grease) allowing longer hose lifetime. Depending on the pump size, the rollers are adjusted either by changing the position of the roller mounting bracket (PTL09-PTL25) or adding shims (PTL30-45)

### PT PUMPS – SHOE DESIGN FOR HIGHER PRESSURES UP TO 15 BAR

In the shoe design, the shoes are fixed to the rotor and slide against the hose. The sliding generates a lot of friction and heat, therefore constant lubrication is needed to dissipate the heat. This shoe design allows the pump to operate at high working pressures (up to 15 bar) avoiding any blockage and optimizing the lifetime of the hose.

# Advanced hose design technology

Our focus is to reduce in the best possible way the hose wear and our engineers are fully involved in this important work. We have achieved hoses today that lasts approximately 30% longer than any other hose on the market.

Non-machining of the external surface improves the lubrication of the reinforced hoses.

The lubricant has a better grip on the hose, reducing friction and lower heat generation to extend the hose lifetime.



## Features & Benefits



### Optimized quality

Our hoses are exclusively European made, produced with the best quality compounds and according to the highest quality standards.



### Large selection of materials & sizes

Tapflo offers a large selection of different available hose materials.

Hoses with inner diameter from 5 mm to 125 mm.



### Biggest available stock

We have more than 7000 hoses available in our headquarter and in many countries.



### Fits for most competition pumps

Our hoses can be adjusted by length to fit in most competition pumps.



### Clear codification & branding label

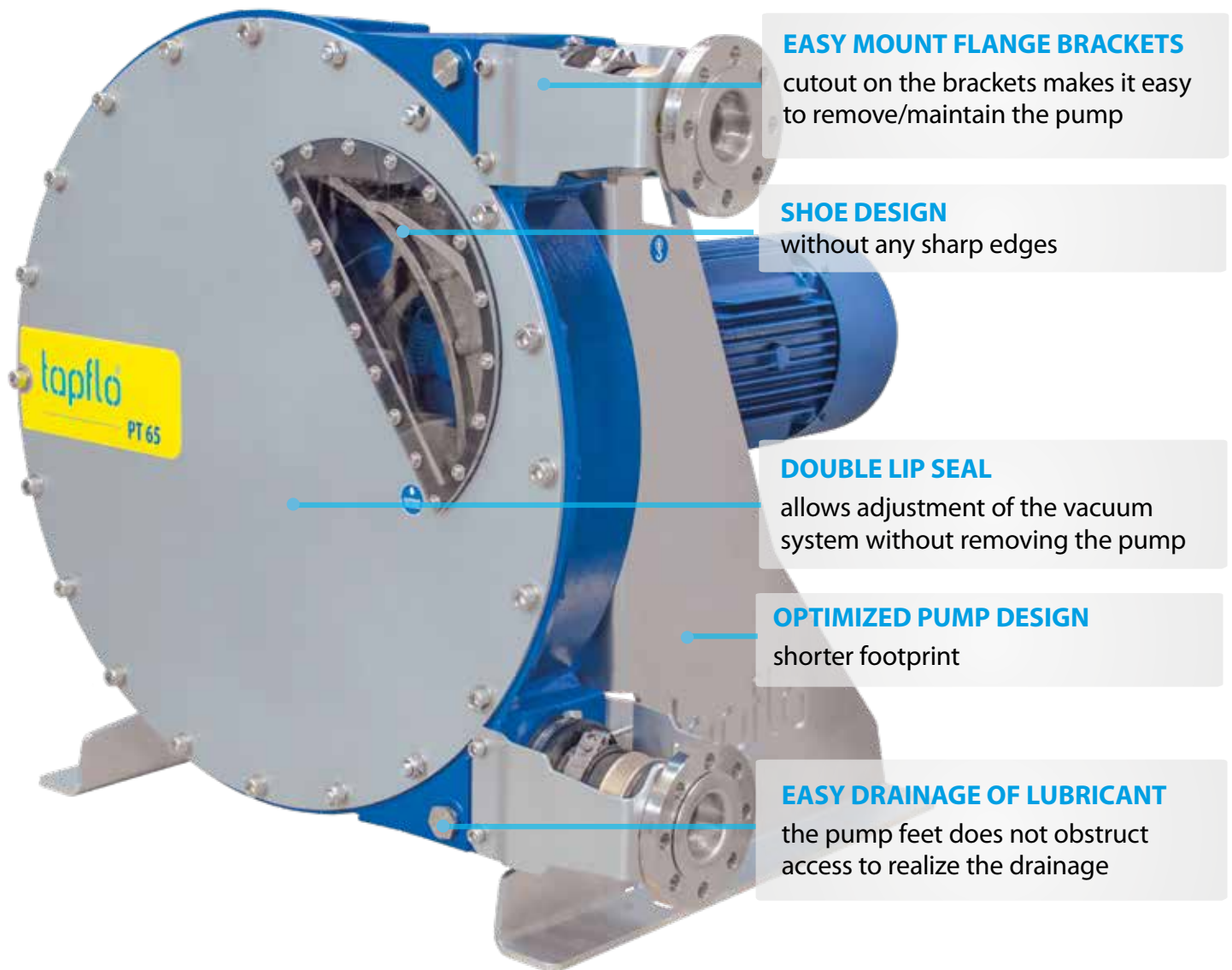
Allowing transparency and clearness that this is a original TAPFLO product.

## Available hoses materials

Hose	ATEX	Industry								
		Water treatment	Ceramic	Mining & quarries	Building & constructions	Chemical	Food & beverage	Paint, pulp & paper	Agriculture & biogas	
Industrial										
<div></div>	NR	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	NBR		<div></div>		<div></div>		<div></div>			<div></div>
<div></div>	EPDM	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>
<div></div>	CSM		<div></div>		<div></div>	<div></div>				<div></div>
Food Grade										
<div></div>	NR FDA						<div></div>	<div></div>		
<div></div>	NBR FDA						<div></div>			
<div></div>	EPDM FDA						<div></div>			



# PT Optimised pump design



**EASY MOUNT FLANGE BRACKETS**  
cutout on the brackets makes it easy to remove/maintain the pump

**SHOE DESIGN**  
without any sharp edges

**DOUBLE LIP SEAL**  
allows adjustment of the vacuum system without removing the pump

**OPTIMIZED PUMP DESIGN**  
shorter footprint

**EASY DRAINAGE OF LUBRICANT**  
the pump feet does not obstruct access to realize the drainage

## **PRE DISPOSITION OF THE SENSORS IN THE PUMP CASING**

Pump casing is pre-disposed for leakage sensor, stroke counter

## **LEAKING CHANNEL IN THE PUMP CASING**

Avoids that the liquid gets into the gearmotor in case of failure of the pump casing sealing



# PT High pressure hose pumps



- » capacity 0 - 60m<sup>3</sup>/h (up to 150 m<sup>3</sup>/h twin head)
- » shoe design
- » lubricant type: glycerine FDA
- » housing material - nodular cast iron
- » 15 sizes available
- » horizontal and vertical gear motor position
- » industries: industrial, paint, waste water treatment, food, paper mills, chemical, biogas, recycling, mining, building



## Materials, data and limits

Technical data	Specification
<b>Casing material</b>	nodular cast iron (std)
<b>Hose material (wetted)</b>	Industrial reinforced - NR (std), NBR, EPDM, CSM Food grade reinforced - NR FDA, BR FDA, EPDM FDA
<b>Insert material (wetted)</b>	AISI 316L (std), PTFE, PP
<b>Connection type</b>	EN1092-1 Flange (std), ANSI flange, BSP/NPT thread, Camlock, hose tail, DIN 32676 clamp, DIN 11851 thread, SMS 3017 clamp
<b>Motor*</b>	IEC standard, 3-phase, 4-pole, 50/60 Hz, IP55+PTC
<b>Max. capacity</b>	83 m <sup>3</sup> /h
<b>Max. viscosity</b>	100 000 cps***
<b>Max. liquid temp.</b>	80 °C**
<b>Max. discharge pressure</b>	15 bar
<b>Max. suction lift</b>	- 0.9 bar

\* Other motor options available on request

\*\* At a room temperature of 20°C. Furthermore, it depends on the pumped fluid and on the hose quality

\*\*\* It depends on the pump dimension/execution, on the speed and installation of the pump at customer site

## Available standard gear motors\*

Pump size	Motor power [kW]	Pump speed [rpm]
<b>PT 5, PT 10</b>	0.25	11, 15, 19, 23
<b>PT 10</b>	0.37	15, 23, 25, 35
<b>PT 15, PT 20</b>	0.37	15, 23, 25, 35
	0.55	43, 47, 61
<b>PT 25</b>	1.1	23
	1.5	30, 35, 44, 50, 60
<b>PT 32, PT 38</b>	1.5	20, 25, 31
	2.2	34, 44, 50, 61
<b>PT 40</b>	2.2	25, 31, 33, 41
	3	47
	4	54, 63
<b>PT 51, PT 60</b>	7.5	20, 33, 38, 47, 55, 60
<b>PT 65, PT 80, PT 80L</b>	7.5	20
	11	20, 26, 32, 38
	15	22, 25, 26, 32, 38
<b>PT 100</b>	15	18, 24
	18,5	18
	22	24, 31
<b>PT 125</b>	22	20
	30	25, 32
	37	20, 32, 38

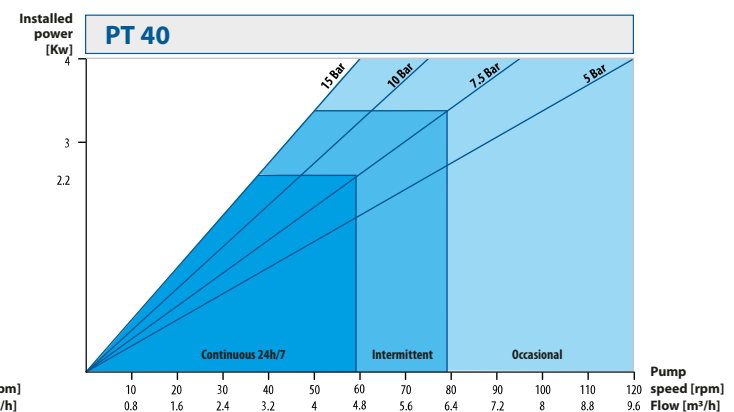
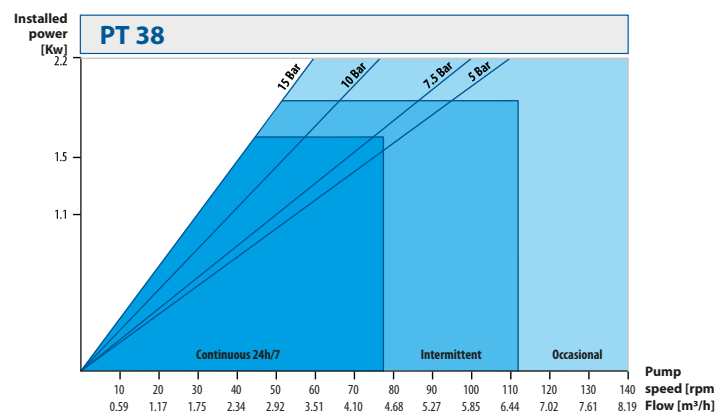
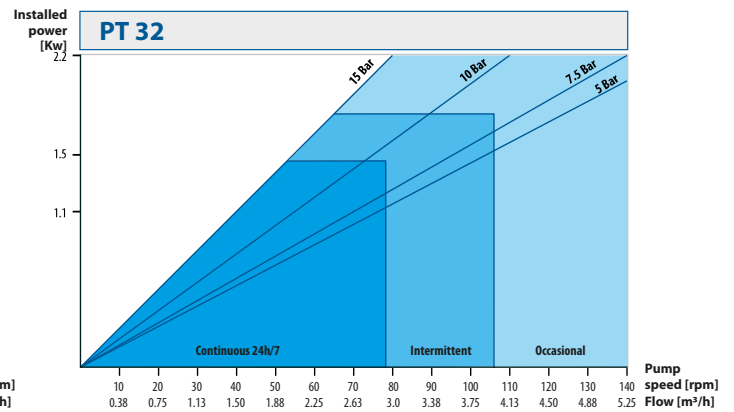
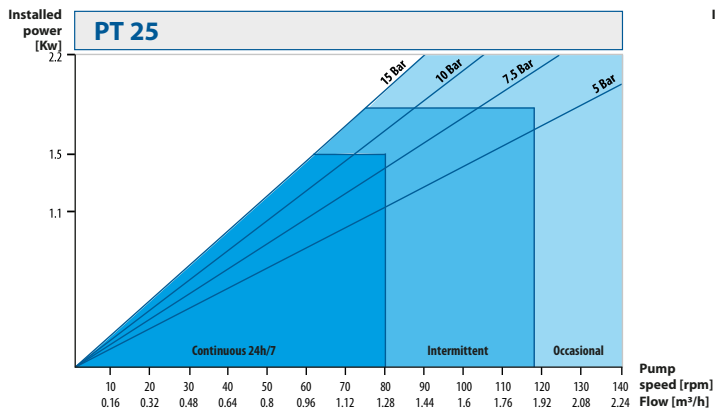
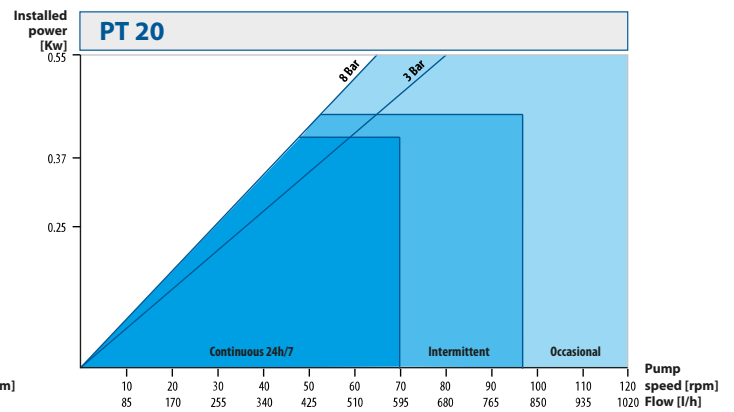
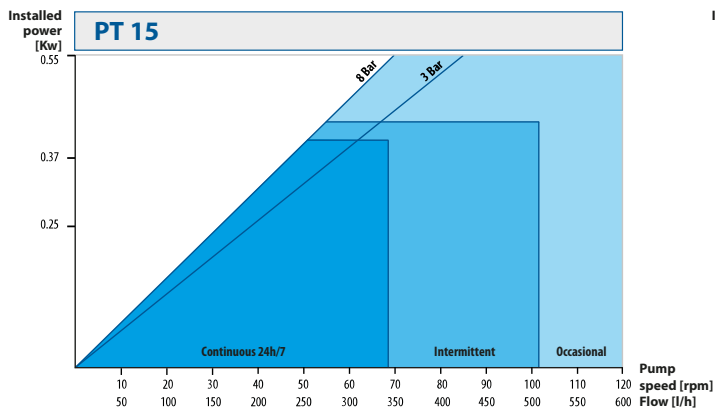
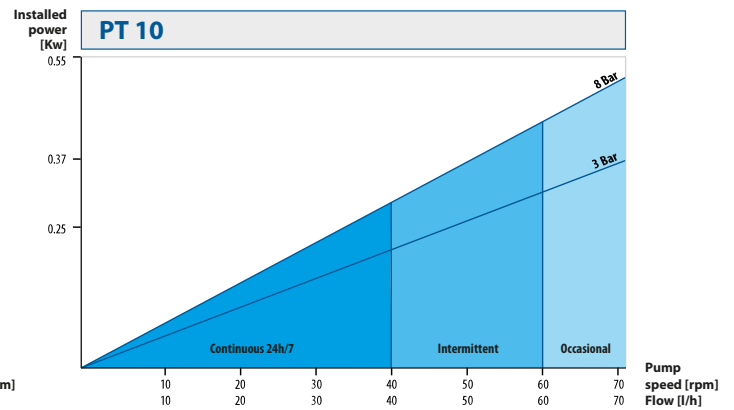
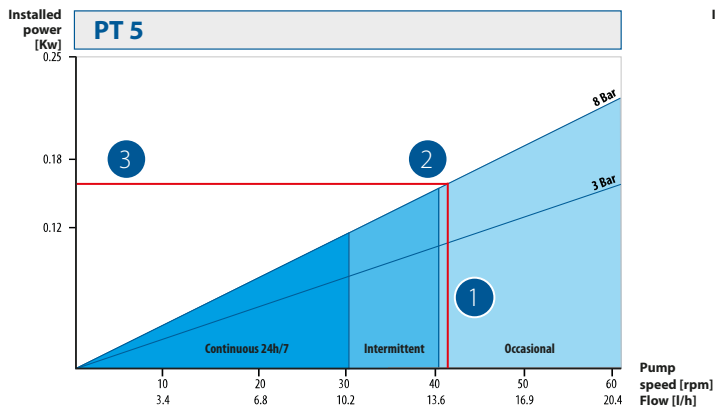
\* Other gear motor speed options available on request

## Performance curves

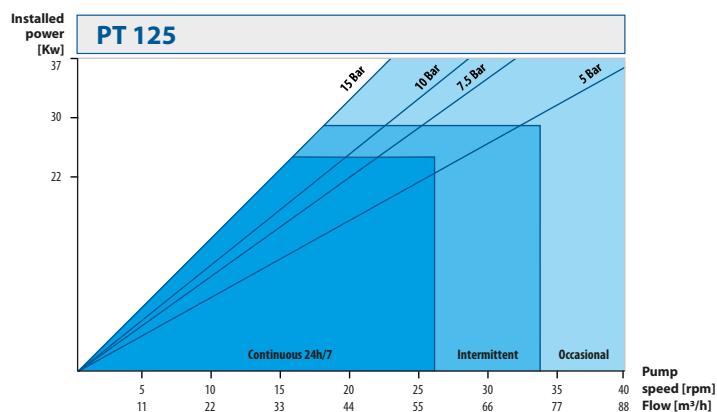
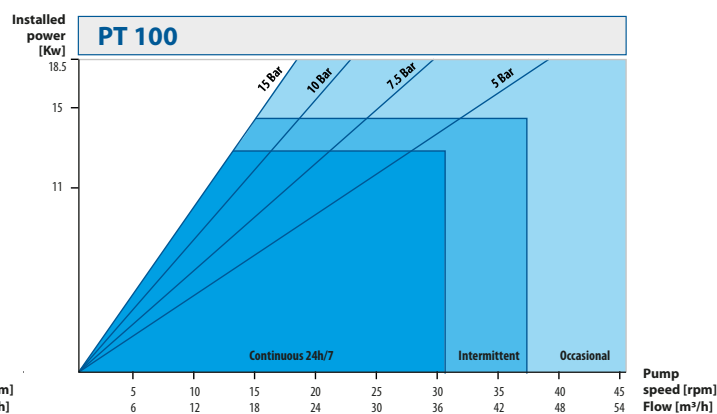
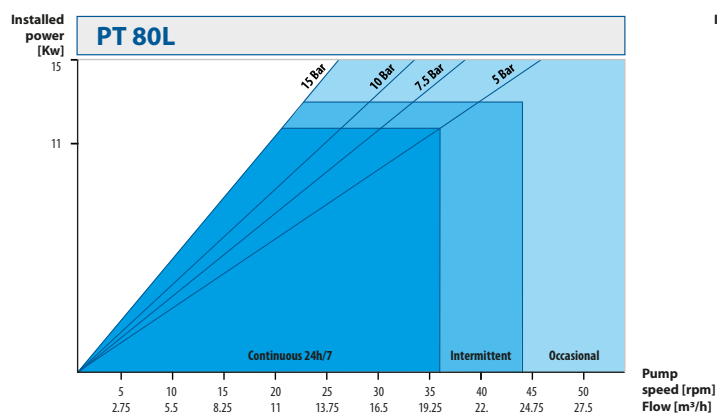
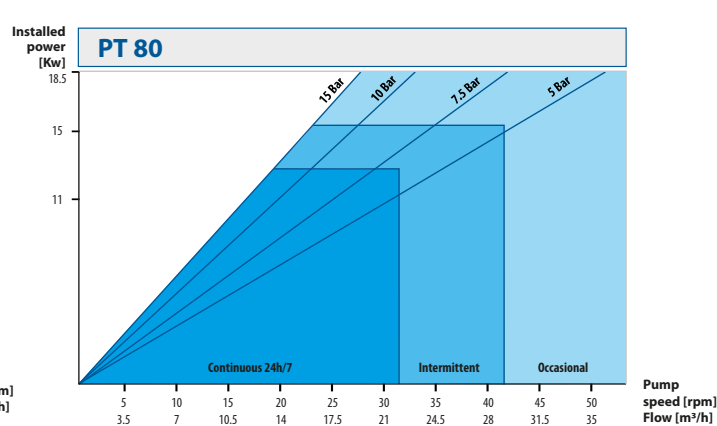
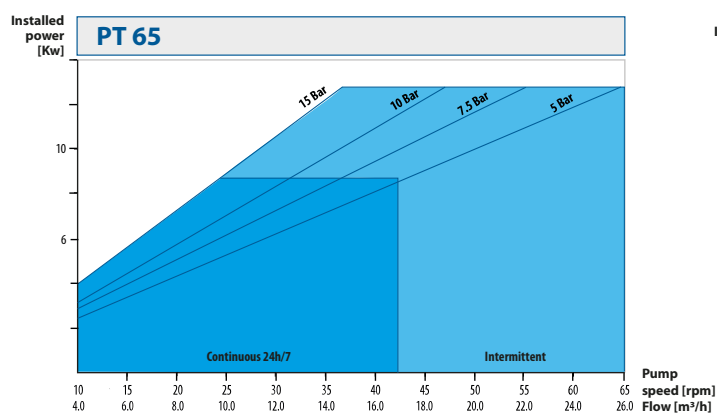
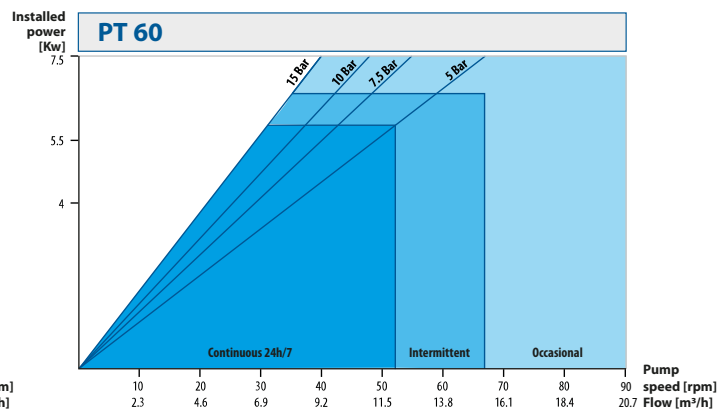
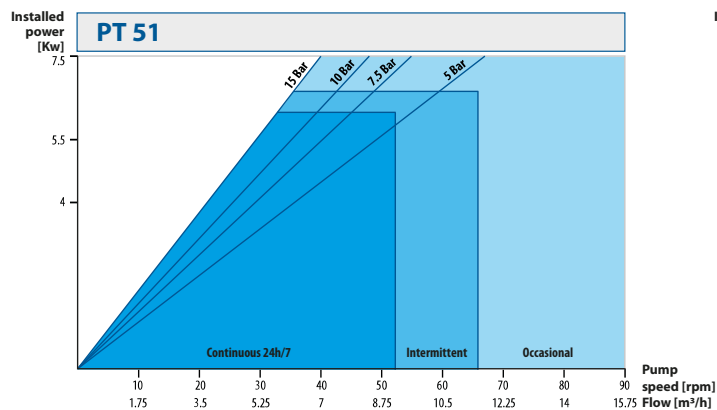
The performance curves are based on water. ( $\rho = 1000 \text{ kg/m}^3$ ,  $T = 20^\circ\text{C}$ )  
 Other circumstances might change the performance.  
 Intermittent duty = 1 hour stop for every 2 hours of operation.  
 Occasional duty = not more than 1 hour per day.

### Example **see points and the red line**

1. Select the required flow. Thanks to this you will get required pump speed.
2. Move higher to calculate discharge pressure.
3. Move left to read engine power.



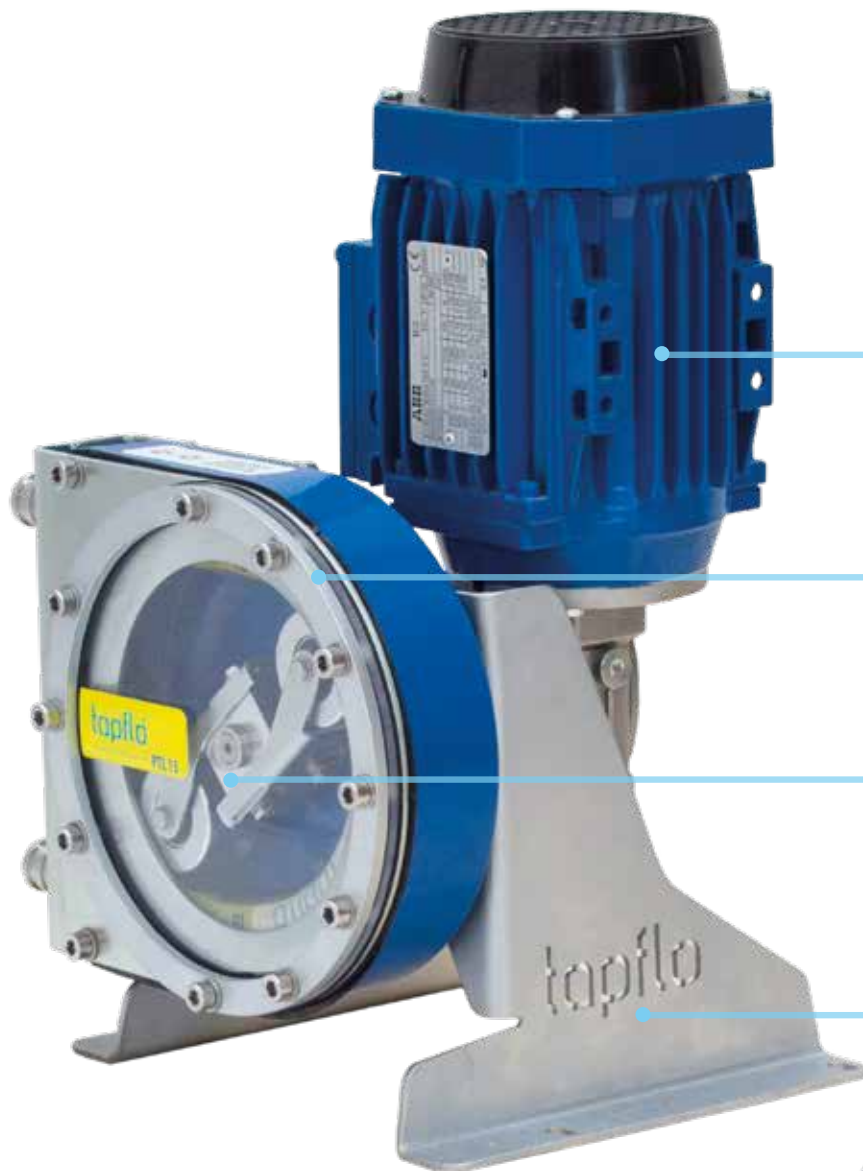
Changes reserved without notice



Changes reserved without notice



# PTL Optimised pump design



## STANDARD VERTICAL GEARMOTOR

Less space required for the pump installation

## SEALED PUMP CASING

Avoids that in case of hose rupture the liquid gets on the floor (factory tested)

## BETTER SETTING OF ROLLERS

Improved roller setting technology

## OPTIMIZED PUMP DESIGN

shorter footprint

## PRE DISPOSITION OF THE SENSORS IN THE PUMP CASING

Pump casing is pre-disposed for leakage sensor, stroke counter



# PTL Low pressure hose pumps



- » capacity up to 5 m<sup>3</sup>/h (up to 10 m<sup>3</sup>/h twin head)
- » roller design
- » lubricant type: silicone grease
- » housing material - aluminium
- » 6 sizes available
- » horizontal and vertical gear motor position
- » industries: pharmaceutical, water treatment  
food & beverage, cosmetics, chemical



## Materials, data and limits

Technical data	Specification
<b>Casing material</b>	aluminium
<b>Hose material (wetted)</b>	Industrial reinforced - NR (std), NBR, EPDM, CSM Food grade reinforced - NR FDA, NBR FDA, EPDM FDA Extruded hose - Silicone
<b>Insert material (wetted)</b>	AISI 316L (std), PTFE, PE AST, PP
<b>Connection type</b>	Hose tail (std) , EN1092-1 Flange, ANSI flange, BSP/NPT thread, Camlock, DIN 32676 clamp, DIN 11851 thread, SMS 3017 clamp
<b>Motor*</b>	IEC standard, 3-phase, 4-pole, 50/60 Hz, IP55+PTC
<b>Max capacity</b>	10 m <sup>3</sup> /h
<b>Max viscosity</b>	12 000 cps***
<b>Max. liquid temp.</b>	80 °C**
<b>Max. discharge pressure</b>	4 bar (with reinforced hose)
<b>Max. suction lift</b>	- 0.9 bar

\* Other motor options available on request

\*\* At a room temperature of 20°C. Furthermore, it depends on the pumped fluid, on the hose quality

\*\*\* It depends on the pump dimension/execution, on the speed and installation of the pump at customer site

## Available standard vertical gear motors\*

Pump size	Motor power [kW]	Pump speed [rpm]
<b>PTL 9, PTL 13</b>	<b>0.18</b>	18, 24, 28, 35, 47, 56, 69, 93, 139, 187
<b>PTL 17</b>	<b>0.18</b>	14, 18, 24, 28, 35, 47, 56, 69, 93, 139
	<b>0.25</b>	187
<b>PTL 25</b>	<b>0.55</b>	37, 62, 86, 138
<b>PTL 30</b>	<b>1.1</b>	40
	<b>1.5</b>	49, 58, 86, 104
<b>PTL 45</b>	<b>1.5</b>	40, 58
	<b>2.2</b>	72, 93

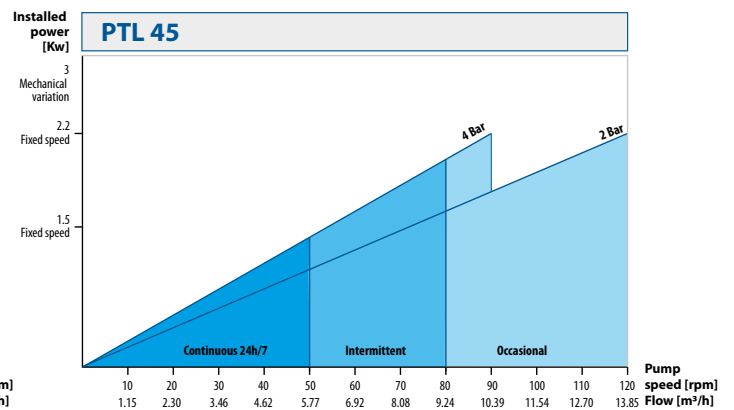
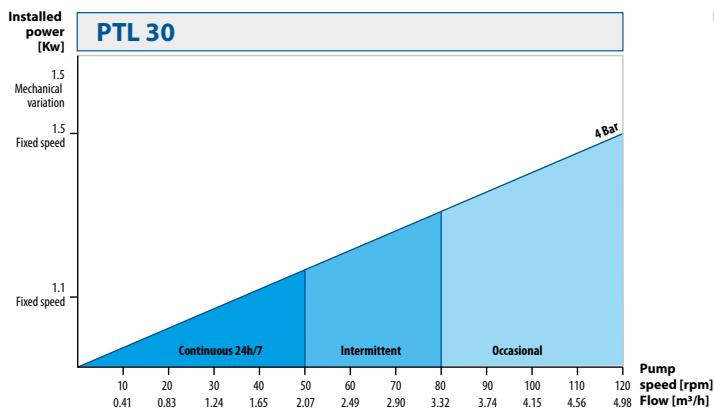
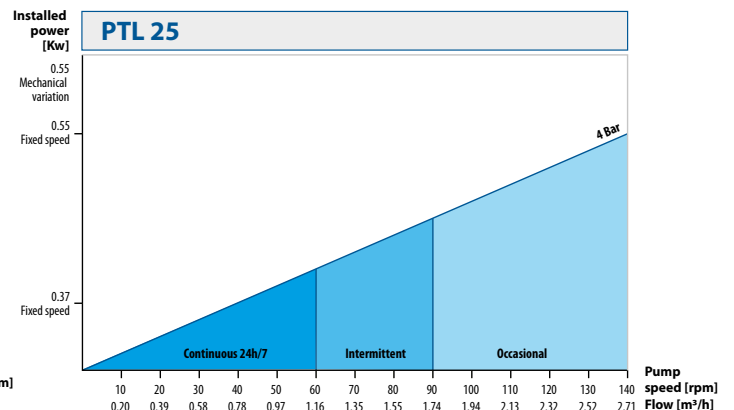
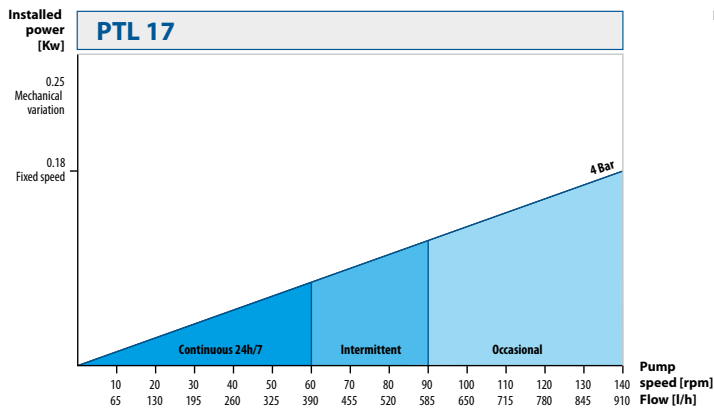
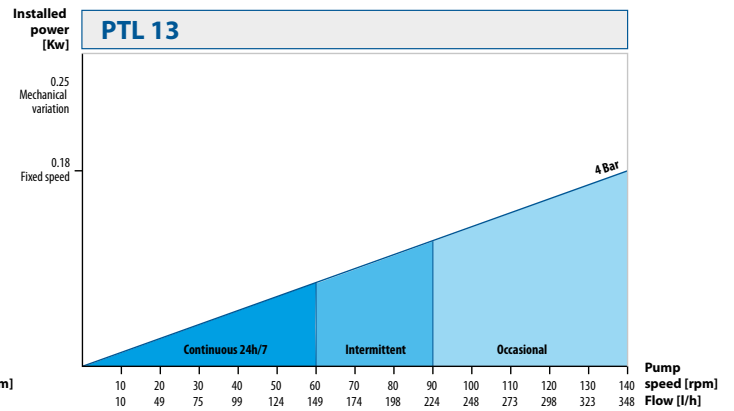
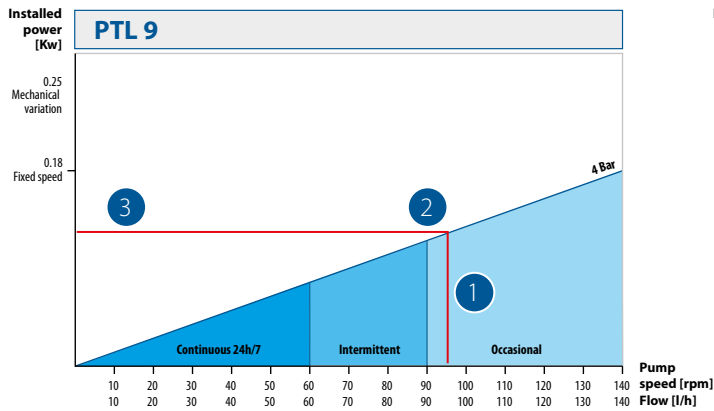
\* Other gear motor speed options available on request

## Performance curves

The performance curves are based on water. ( $\rho = 1000 \text{ kg/m}^3$ ,  $T = 20^\circ\text{C}$ )  
 Other circumstances might change the performance.  
 Intermittent duty = 1 hour stop for every 2 hours of operation.  
 Occasional duty = not more than 1 hour per day.

## Example see points and the red line

1. Select the required flow. Thanks to this you will get required pump speed.
2. Move higher to calculate discharge pressure.
3. Move left to read engine power.



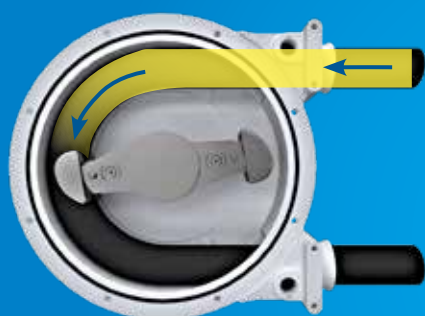
# Clean PRO Optimised pump design

Our Clean PRO pump with its automatic & innovative advanced pioneer cleaning technology design, allows a perfect and reliable cleaning process.

It keeps the inner surface of the hose clean without any compression of the shoes on the hose during the CIP (Clean in Place), optimizing best possible the lifetime of the hose, minimizing time out in production and keeping maintenance costs as low as possible.



## Clean PRO Technology



Pumping position



CIP position

 Liquid



Our CLEANPRO pump with its innovative and advanced PIONEER CLEANING TECHNOLOGY design allows reliable and perfect CIP (Clean in Place) process of the hose pump.

By reversing the direction of the pump, the automatic retracting of the shoes, avoids to have any compression on the hose during the cleaning process, optimizing the lifetime of the hose & pump in the best possible way. This minimizes production time out and therefore keeps maintenance costs as low as possible.

## Features & Benefits



**Safe to run dry**

Easy to use, no monitoring required



**Does not damage or shear the pumped fluid**

Pump operation principle ensures smooth and slow fluid transfer



**Suitable for food and beverages**

FDA and EC1935 certified hoses.  
Sanitary clamp and thread connections.



**Seal-less design**

The pump has no sealing or valves.



**Few components, easy maintenance**

The only wear part is the hose, there are no valves, low maintenance costs



**Only 2 parts in contact with the liquid**

Ensures high level of hygienic and easy cleaning.



# Clean Pro - Pioneer Cleaning Technology



- » capacity up to 12 m<sup>3</sup>/h
- » special Clean In Place shoe design
- » lubricant type: glycerine FDA
- » housing material - **nodular cast iron**
- » **2 sizes available**
- » **industries:** pharmaceutical, food, cosmetics

## Materials, data and limits

Technical data	Specification
<b>Casing material</b>	nodular cast iron
<b>Hose material (wetted)</b>	NR FDA (std), NBR FDA, EPDM FDA
<b>Insert material (wetted)</b>	AISI 316L
<b>Connection type</b>	DIN 11851 thread, SMS 3017 clamp, DIN 32676 clamp
<b>Motor*</b>	IEC standard, 3-phase, 4-pole, 50/60 Hz, IP55+PTC
<b>Max. capacity</b>	13 m <sup>3</sup> /h
<b>Max. viscosity</b>	100 000 cps***
<b>Max. liquid temp.</b>	80 °C**
<b>Max. discharge pressure</b>	10 bar
<b>Max. suction lift</b>	- 0.9 bar

\* Other motor options available on request

\*\* At a room temperature of 20°C. Furthermore, it depends on the pumped fluid, on the hose quality

\*\*\* It depends on the pump dimension/execution, on the speed and installation of the pump at customer site

## Performance curves

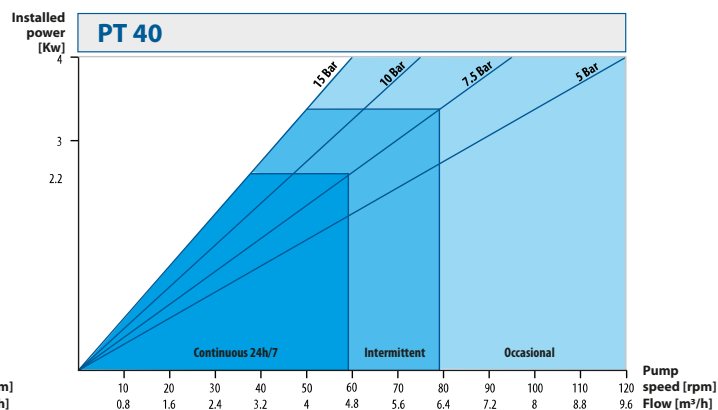
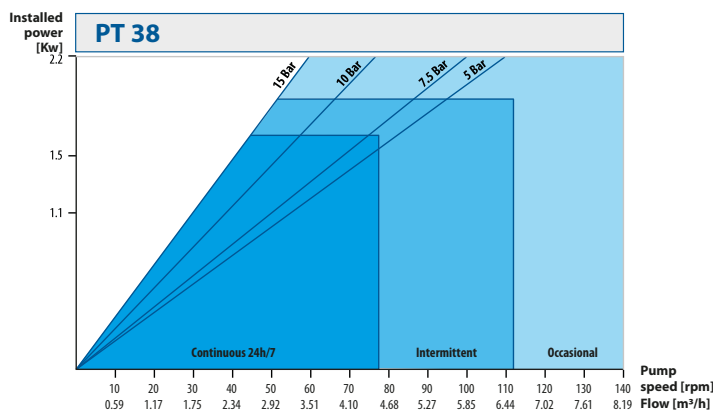
The performance curves are based on water. ( $\rho = 1000 \text{ kg/m}^3$ ,  $T = 20^\circ\text{C}$ ). Other circumstances might change the performance.

Intermittent duty = 1 hour stop for every 2 hours of operation. Occasional duty = not more than 1 hour per day.

## Available standard horizontal gear motors\*

Pump size	Motor power [kW]	Pump speed [rpm]
<b>PT 38</b>	1.5	20, 25, 31
	2.2	34, 44, 50, 61
<b>PT 40</b>	2.2	25, 31, 33, 41
	3	47
	4	54, 63

\* Other gear motor speed options available on request



# Accessories



## DPT Pulsation dampener



Certificates may vary depending on material execution of particular product.

DPT pulsation dampener reduces vibrations, pulsations and hammering in the piping to a minimum, by using a stainless steel pressure housing with a reinforced rubber hose surrounded by a volume of air.



## Revolution counter (RC)

The revolution counter allows to monitor the number of rotor revolutions.

Based on the volume per revolution data, this allows to calculate and batch products according to customer needs.

This option can be further equipped with a digital display for easy monitoring of the pump speed.



## Hose leak detector (HLD)

The rupture of the hose, which is a wear part, creates a leakage of the pumped liquid.

Hose detectors make it possible to detect these leakages and will stop the pump upon hose rupture.



## Vacuum system

The vacuum system is utilized in applications where viscous products are handled (above 10.000 cP) and with a negative suction lift.

Because of the liquid viscosity the hose does not return to initial shape after squeezing by the shoe fast enough.

By installing a vacuum system, the pressure inside the pump casing is reduced and the hose can expand quicker.



## Build-in inverter (top or side)

Built-in frequency inverter is a solution for comfortable pump operation control. The unit is equipped with a IP66 programmed frequency inverter and all necessary equipment such as wires and plugs.

The main advantage of this solution is that the inverter is mounted directly on the pump, which makes the whole unit compact and ready to use.



## Trolleys

Trolleys are designed to enable mobility but also stable and easy operation of delivered devices.

Thanks to these new accessories, pumps can be easily transported and the most important, used in many applications and locations.

## Special dedicated units



**PTL13 with external inverter + support**



**2x PTL17 on trolley with electrical cabinet & external inverters**



**PT40 with electric driven vacuum pump and cooling lubricant system**



**PT38 with electrical cabinet support**

## Sweden

Filaregatan 4 | S-442 34 Kungälv

Tel: +46 303 63390

Fax: +46 303 19916

E-mail addresses:

Commercial questions: [sales@tapflo.com](mailto:sales@tapflo.com)

Orders: [order@tapflo.com](mailto:order@tapflo.com)

Tech support: [support@tapflo.com](mailto:support@tapflo.com)

*We began our journey in 1980 in Kungälv, a small town on the Swedish west coast, as a family company with an ambition to one day become a global player on the pump market.*

*Since the foundation, we have taken pride in delivering a wealth of knowledge and passion for pumps to the industry, whilst supplying a wide range of premium products for various industrial applications.*

*Over the years, the company has developed into a global Tapflo Group with branches and distributors present in nearly every region of the world.*

*One thing did not change - we are still a family company.*

## Tapflo products and services are available worldwide.

Tapflo is represented by own Tapflo Group Companies and carefully selected distributors assuring highest Tapflo service quality for our customers' convenience.

AUSTRALIA | AUSTRIA | AZERBAIJAN | BAHRAIN | BELARUS | BELGIUM | BOSNIA | BRAZIL | BULGARIA | CANADA | CHILE | CHINA | COLOMBIA | CROATIA | CZECH REPUBLIC | DENMARK | ECUADOR | EGYPT | ESTONIA | FINLAND | FRANCE | GREECE | GEORGIA | GERMANY | HONG-KONG | HUNGARY | ICELAND | INDIA | INDONESIA | IRELAND | ISRAEL | ITALY | JAPAN | JORDAN | KAZAKHSTAN | KUWAIT | LATVIA | LIBYA | LITHUANIA | MACEDONIA | MALAYSIA | MEXICO | MONTENEGRO | MOROCCO | NETHERLANDS | NEW ZEALAND | NORWAY | POLAND | PORTUGAL | PHILIPPINES | QATAR | ROMANIA | RUSSIA | SAUDI ARABIA | SERBIA | SINGAPORE | SLOVAKIA | SLOVENIA | SOUTH AFRICA | SOUTH KOREA | SPAIN | SWEDEN | SWITZERLAND | TAIWAN | THAILAND | TURKEY | UKRAINE | UNITED ARAB EMIRATES | UNITED KINGDOM | USA | UZBEKISTAN | VIETNAM

## Tapflo Group Companies

### Australia

Tapflo Oceania (Pty) Ltd.  
Tel: +61 1800303633  
[sales@tapflo.com.au](mailto:sales@tapflo.com.au)

### China

Tapflo (Wuxi) Pumps Co. Ltd.  
Tel: +86 51082417072  
[sales@tapflo.cn](mailto:sales@tapflo.cn)

### Ireland

Tapflo Ireland Ltd.  
Tel: +353 12011911  
[info@tapflo.ie](mailto:info@tapflo.ie)

### Russia

Tapflo Company LLP  
Tel: +7 4952321828  
[sales@tapflo.com.ru](mailto:sales@tapflo.com.ru)

### Turkey

Tapflo Makina Ltd.  
Tel: +90 2164673311  
[sales@tapflo.com.tr](mailto:sales@tapflo.com.tr)

### Austria

Tapflo GmbH  
Tel: +43 73227292910  
[sales@tapflo.at](mailto:sales@tapflo.at)

### Croatia

Tapflo d.o.o.  
Tel: +385 914884666  
[sales@tapflo.hr](mailto:sales@tapflo.hr)

### Italy

Tapflo Italia S.r.l.  
Tel: +39 0362306528  
[info@tapfloitalia.com](mailto:info@tapfloitalia.com)

### Serbia

Tapflo d.o.o.  
Tel: +381 21445808  
[sales@tapflo.rs](mailto:sales@tapflo.rs)

### Ukraine

Tapflo LLC  
Tel: +380 442226844  
[sales@tapflo.ua](mailto:sales@tapflo.ua)

### Baltic States

Tapflo SIA  
Tel: +371 67472205  
[sales@tapflo.lv](mailto:sales@tapflo.lv)

### Czech Republic

Tapflo s.r.o.  
Tel: +420 513033924  
[tapflo@tapflo.cz](mailto:tapflo@tapflo.cz)

### Japan

Tapflo Japan K.K.  
Tel: +81 362403510  
[tapflojp@tapflo.co.jp](mailto:tapflojp@tapflo.co.jp)

### Slovakia

Tapflo s.r.o.  
Tel: +421 911137883  
[tapflo@tapflo.sk](mailto:tapflo@tapflo.sk)

### Uzbekistan

Tapflo Uzbekistan  
Tel: +998 712370940  
[sales@tapflo.uz](mailto:sales@tapflo.uz)

### Belarus

Tapflo LLC  
Tel: +375 173934609  
[sales@tapflo.by](mailto:sales@tapflo.by)

### Denmark

Tapflo Danmark ApS  
Tel: +45 36454600  
[info@tapflo.dk](mailto:info@tapflo.dk)

### Kazakhstan

Tapflo LLP  
Tel: +7 7273278347  
[sales@tapflo.kz](mailto:sales@tapflo.kz)

### Slovenia

Tapflo d.o.o.  
Tel: +386 68613474  
[sales@tapflo.hr](mailto:sales@tapflo.hr)

### United Kingdom

Tapflo (UK) Ltd.  
Tel: +44 2380252325  
[sales@tapflo pumps.co.uk](mailto:sales@tapflo pumps.co.uk)

### Belgium

Tapflo Benelux B.V.  
Tel: +31 (0)850074300  
[info@tapflo.nl](mailto:info@tapflo.nl)

### France

Sarl Tapflo France  
Tel: +33 134788240  
[info@tapflo.fr](mailto:info@tapflo.fr)

### Netherlands

Tapflo Benelux B.V.  
Tel: +31 (0)850074300  
[info@tapflo.nl](mailto:info@tapflo.nl)

### Spain

Tapflo Ibérica S.L.  
Tel: +34 918093182  
[avives@tapfloiberica.es](mailto:avives@tapfloiberica.es)

### Bulgaria

Tapflo EOOD  
Tel: +359 (0)29741854  
[office@tapflo.bg](mailto:office@tapflo.bg)

### Hungary

Tapflo Kft.  
Tel: +36 30148 8551  
[office@tapflo.hu](mailto:office@tapflo.hu)

### Poland

Tapflo Sp. z o.o.  
Tel: +48 585304212  
[info@tapflo.pl](mailto:info@tapflo.pl)

### South Africa

Tapflo (Pty) Ltd.  
Tel: +27 317015255  
[sales@tapflo.co.za](mailto:sales@tapflo.co.za)

### Canada

Tapflo Canada  
Tel: +1 5148135754  
[canada@tapflo.com](mailto:canada@tapflo.com)

### India

Tapflo Fluid Handling India Pvt Ltd.  
Tel: +91 2065000215  
[ac@tapflo.in](mailto:ac@tapflo.in)

### Romania

S.C. Tapflo Rom. S.r.l.  
Tel: +40 213451255  
[sales@tapflo.ro](mailto:sales@tapflo.ro)

### Sweden

Tapflo AB  
Tel: +46 (0)30314050  
[info@tapflo.com](mailto:info@tapflo.com)



If your country is not listed  
please visit  
[www.tapflo.com/en/contact](http://www.tapflo.com/en/contact)

# www.tapflo.com

Tapflo is a registered trademark of Tapflo AB. All rights reserved.

Information in this document is subject to change without notice. Reproduction in any manner without written permission of Tapflo Group is forbidden. Tapflo Group reserves the right to make changes in product design, or detail, and to discontinue any product or material without notice.

Art. No. 10-2218