

# The Green Peristaltic Pump



**Key features of the ROLLIT:**

- Energy efficient
- No heat development because of less friction
- Easy, fast and clean hose change



## **We put our heart into pumps**

A well-functioning pump helps you succeed. That applies certainly to the most important pump in life, the human heart, but the same goes for pumps in business. At Verder, all energy and attention is focused on improving the quality and performance of our pump and service. We do so with energy, dedication and most importantly, with our heart.

**VERDER – PASSION FOR PUMPS**



# Key facts of th

*The Verderflex ROLLIT is a new series of dry rolling hose pumps, completing the Verderflex range of hose and tube pumps, offering you even more great pumping solutions of Verderflex. The Verderflex ROLLIT pumps are designed for many applications including the chemical industry, construction, ceramics, paint, paper and waste water treatment.*

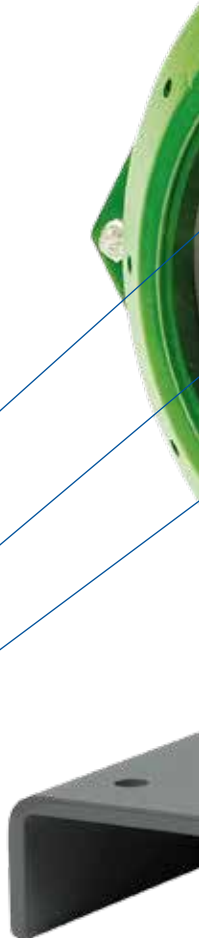
## **Advantages of the dry rolling hose pumps:**

- *Energy efficient: saving costs on drives and energy*
- *Maintenance ease: Easy, fast and clean hose change*
- *Reduction of friction to an absolute minimum: Teflon is used for both rollers and inserts: reducing friction and heat development to an absolute minimum*
- *Minimal heat introduced to the pumping system: Reduction of the heat also causes less stress on the hose*
- *Gentle pumping action: Increased safety, less pulsation, immediate leak detection possibility*

**4 hose materials to meet all industry and food standards**

**The hose is the only wetted part**

**Teflon rollers and inserts for gentle pumping**



# e VERDERFLEX<sup>®</sup>

## ROLLIT



*Several motor options up to 4 kW power supply*

*No seals, no flaps*

## Rollit, Rollit P, T & TP

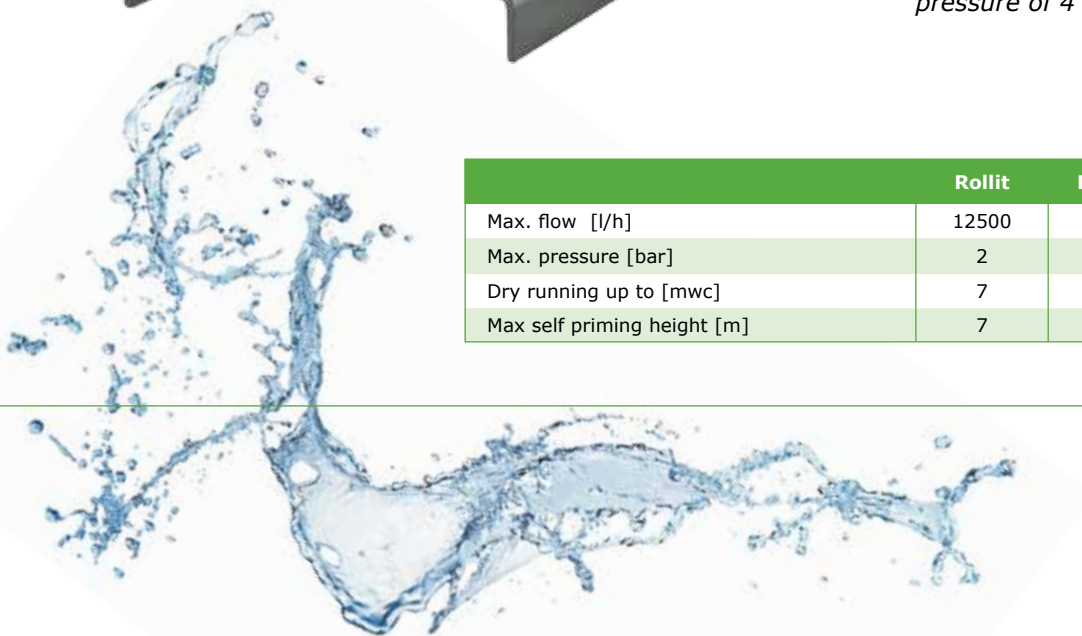
### **The Rollit and the Rollit P series**

The Rollit standard series is the allrounder in the Rollit dry rolling hose pump series. With a flow rate up to 12500 l/h and a pressure up to 2 bar it provides a good quality standard hose pump solution. The higher pressure version Rollit P has a maximum operating pressure of 4 bar.



### **The Rollit T and the Rollit TP series**

The Rollit T series dry rolling hose pumps are dual headed roller pumps, they have higher flow ratings and provide more stable flow with less pulsation. Shear sensitive and gentle pumping (max pressure 2 bar). The Rollit TP series has a maximum pressure of 4 bar.



	Rollit	Rollit T	Rollit P	Rollit TP
Max. flow [l/h]	12500	24500	5500	10000
Max. pressure [bar]	2	2	4	4
Dry running up to [mwc]	7	7	8	8
Max self priming height [m]	7	7	8	8

### Technical details

- Flow rates up to 24500 l/h
- Pressures up to 2 bar (Standard Rollit and the T series) and 4 bar (the P and the TP series)
- Power supply up to 4 kW
- Max rotation speed 165 rpm
- Max dry suction lift 8 mwc

### Features

- Dry rolling pumping
- Teflon rollers and inserts, gentle pumping, longer hose life
- Small footprint
- Up to 60% less power supply
- Solids pumping

### Accessories

- Pump control systems
- Pulsation dampeners
- Dosing systems
- Hose monitor



### Hoses

- 4 material options provide pumping solutions all over industry
- Natural Rubber for standard applications
- Neoprene for oily liquids
- Verderprene Food White according to 21 CFR (FDA)
- NRF Natural Rubber Food according to 21 CFR (FDA)

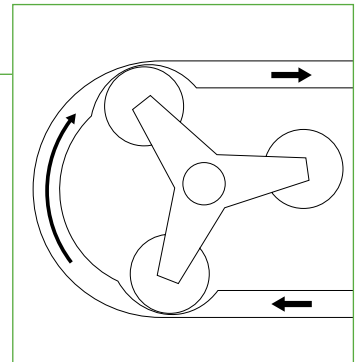
### Options

- Special drive design according to customers demands
- Mechanical or electronic flow regulation
- Quick coupling systems, hygienic fittings
- Flanges in several non-metallic materials or SS 316
- Mobile mounting available
- Special paint finishes

## Working principle

**Verderflex ROLLIT hose pumps are self-priming displacement pumps; they can run dry.**

A medium resistant, flexible hose is pressed together through the Teflon rollers. By rotation of the rotor, the medium in the hose will be pushed forward. The recovery of the hose creates a vacuum, which pulls the medium into it. Peristaltic hose pumps are self priming and do not require flooded suction.



### Application areas

- Chemical Industry
  - Acids, lyes, suspensions, lime milk, flocculants
- Pharma
  - Insulin
- Personal care
  - Creams, lotions
- Ceramic industry
  - Porcelain slurry, glazes, engobes
- Plastics industry
  - Resins, plastics granulate slurry
- Food
  - Spice blends, yeast, fruit mixture, dough, chocolate, oils
- Paint & Lacquer
  - Additives, pigments, lacquer
- Water & wastewater



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