

**NEW NEW NEW NEW NEW VERDERFLEX<sup>®</sup>**  
**ROLLIT**

# The Green Peristaltic Pump



**ROLLIT's key features:**

- Lube free design
- Standard & Twin pump series
- Easy to maintain

**VERDER**  
passion for pumps



## **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 peristaltic roller hose pumps, completing the Verderflex range of hose and tube pumps. The Verderflex ROLLIT pumps are lubricant-free peristaltic hose pumps.*

*The Verderflex Rollit pumps are designed for applications in the chemical industry, food and pharma, construction, environmental industry and many others.*

## **Benefits of the Rollit hose pump series**

- Gentle pumping of sensitive media
- Self-priming up to 8 mw.c.
- Safe to run dry
- High-viscous, abrasive and aggressive media - easy pumping
- Hose is the only wetted part
- No seals, flaps and valves
- Lube free pumping
- Wide range of hoses, specifically developed
- Teflon rollers, gentle pumping
- Small footprint
- Solids pumping

**5 Hose materials to meet all industry standards**

**The hose is the only wetted part**

**Teflon rollers for gentle pumping**

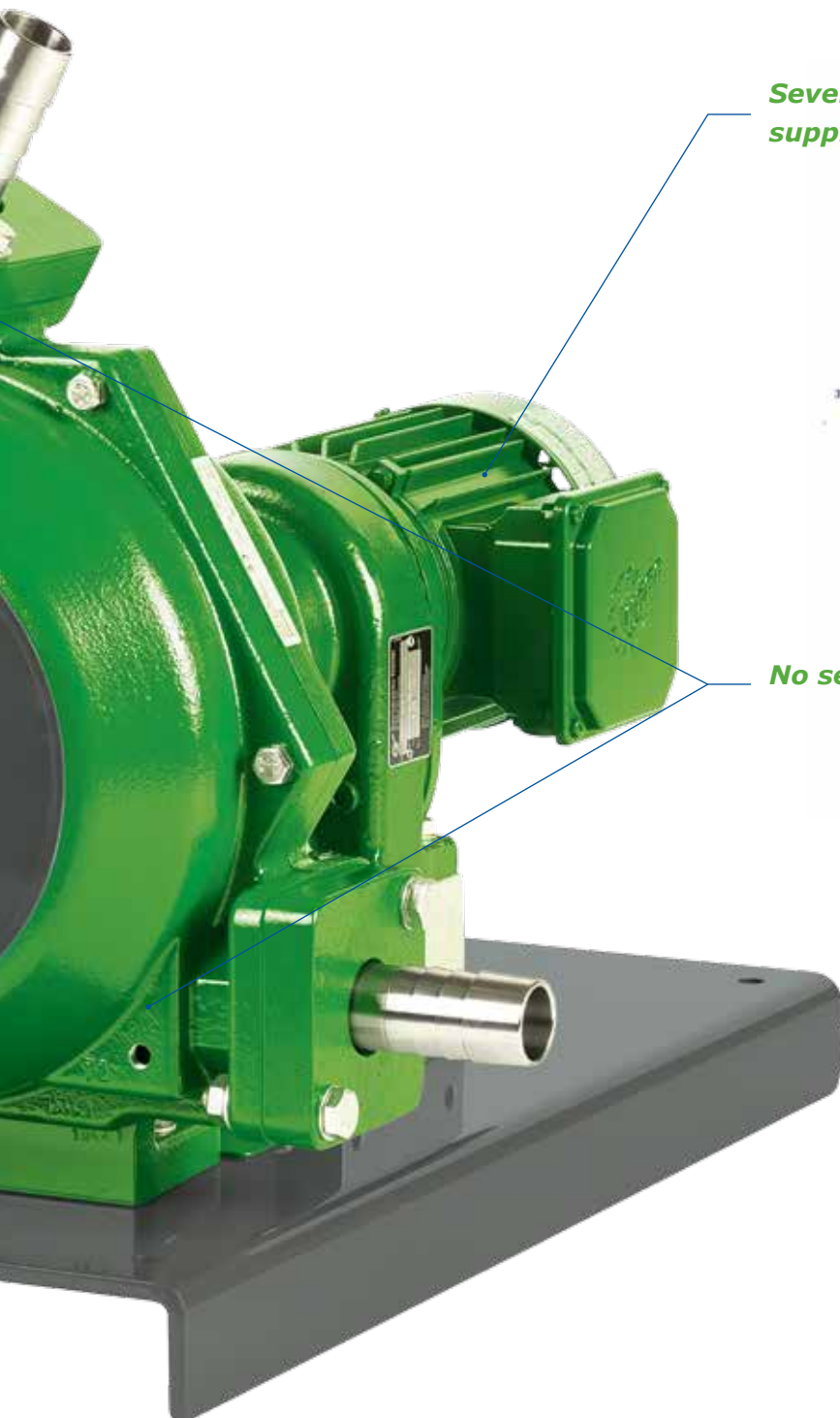


C (P) series



# e VERDERFLEX<sup>®</sup>

## ROLLIT



*Several motor options up to 4 kW power supply*

*No seals, no flaps*



*T (P) series*

## Series Rollit C, CP, T and TP

### **The ROLLIT C Series**

Is the most versatile pump in the ROLLIT roller hose pump series. The pump has a maximum flow of 12500 l/h and discharge pressure of up to 2 bar. The P model version operates at discharge pressures of up to 4 bar, providing the complete solution for your hose pump requirements.

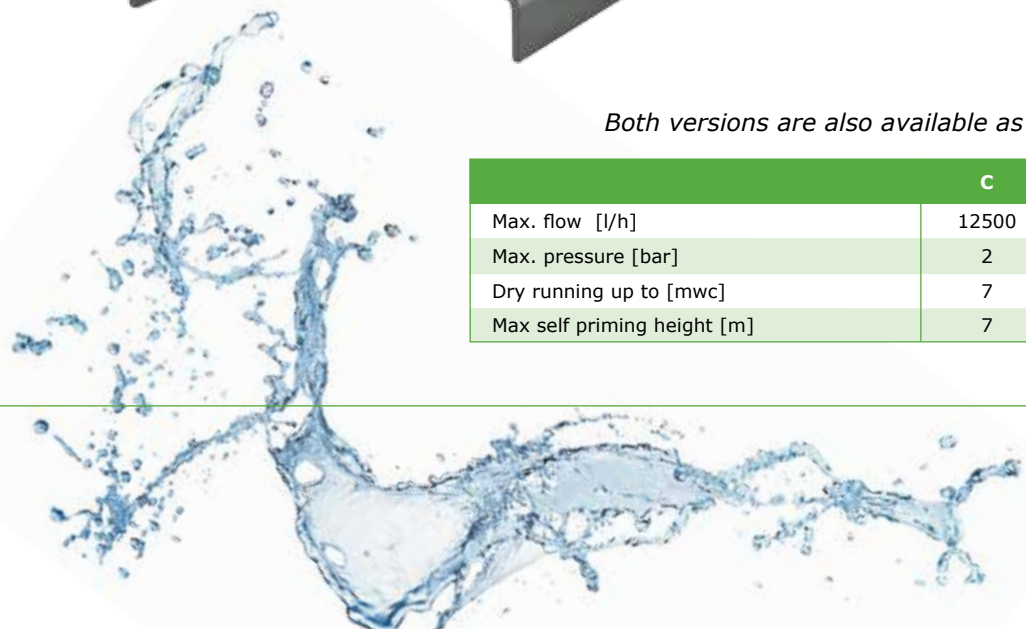


### **The ROLLIT T Series**

Is a twin head hose pump providing double the flow rate.

Both versions are also available as a "P" Version: with 4 bar pressure.

	C	T	CP	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 (C series) and 4 bar (P series)
- Power supply up to 4 kW
- Max rotation speed min 165 rpm
- Max dry suction lift 8 m
- Lube free pumping
- Wide range of hoses, specifically developed
- Teflon rollers, gentle pumping
- Small footprint
- Up to 60% less power supply needed
- Solids pumping

### Accessories

- Pulsation dampener
- Hose leak detection

### Hoses

- 5 Material options provide pumping solutions all over industry.
- Natural Rubber for standard applications
  - Neoprene for Acids
  - NBR Perbunan according to 21 CFR (FDA)
  - Verderprene Food White according to 21 CFR (FDA)
  - NRF Natural Rubber Food according to 21 CFR (FDA)

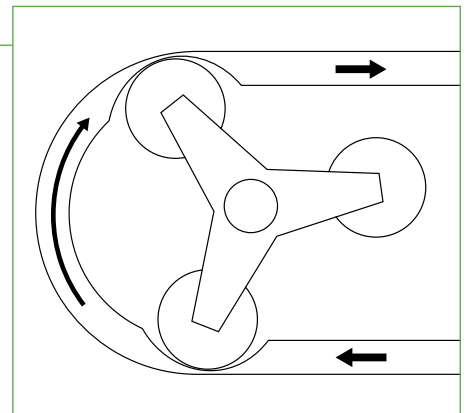
### Options

- Custom drives
- Digital or mechanical flow regulation
- Flanges in several plastics or SS 316
- Mobile unit
- Special coating
- Special gear boxes

## 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

#### VERDERFLEX

Unit 3, California Drive  
Castleford,  
West Yorkshire, WF10 5QH  
United Kingdom

TEL +44 (0) 1924 221 020  
FAX +44 (0) 1132 220 291  
MAIL [info@verderflex.com](mailto:info@verderflex.com)  
WEB [www.verderflex.com](http://www.verderflex.com)

AT Wien BE Aartselaar BG Sofia CH Basel CN Shanghai CZ Praha  
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