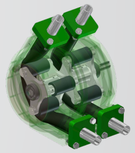


Verderflex Rollit series

Working principle

Verderflex Rollit hose pumps are self-priming, positive-displacement pumps that can run dry without damage. Inside the pump, a flexible, chemical-resistant hose is gently compressed by three Teflon rollers. As the rotor turns, these rollers push the product forward through the hose. When the hose recovers to its original shape, it creates a vacuum that draws more product in, ensuring a smooth, consistent flow. Thanks to this peristaltic principle, Rollit pumps are naturally self-priming and do not require a flooded suction.





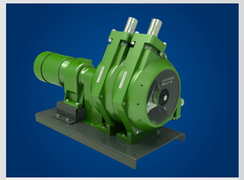
Rollit hose pump range

The Verderflex ROLLIT series combines robust engineering with the gentle, low-shear action of peristaltic technology. Built for reliability and easy maintenance, these pumps handle everything from viscous or abrasive fluids to shear-sensitive products.
The single-head C Series offers all-round performance, while the twin-head T Series provides higher flow for more demanding applications



The C series

The C Series is the most versatile model in the Verderflex Rollit hose pump range. Delivering flow rates of up to 12,500 l/h and discharge pressures up to 2 bar, it offers reliable performance across a wide variety of applications.
For higher-pressure requirements, the P model version operates at discharge pressures up to 4 bar, providing a complete and flexible solution for all your hose pump needs.



The T series

The T Series is the twin-head model in the Verderflex Rollit hose pump range, designed for higher flow capacities and dependable performance. It delivers flow rates of up to 24,500 l/h and discharge pressures up to 2 bar. For more demanding applications, the TP model operates at discharge pressures up to 4 bar, providing a higher-pressure solution with increased performance and versatility.

Rollit range overview

	C	T	CP	TP
Max. flow (l/h)	12.500	24.500	5.500	10.000
Max. pressure (bar)	2	2	2	2
Dry self priming up to (mwc)	7	7	7	7
Maximum motor power (kW)	0,37	0,55	0,37	1,1

Industries and application areas



Chemicals

Acids, lyes, suspensions, lime milk, flocculants.



Pharma

Insulin.



Personal care

Creams, lotions.



Ceramic

Porcelain slurry, glazes, engobes.



Plastics

Resins, plastics granulate slurry.



Food

Spice blends, yeast, dough, chocolate, oils.



Paint & Lacquer

Additives, pigments, lacquer.



Water

Water and wastewater.

VERDER LIQUIDS

The leading pump manufacturer

VERDER LIQUIDS BV
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Verderflex_Rollit_6-pager_INT_EN

VERDERFLEX ROLLIT

The green dry-running casing pump



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

ENABLING PROGRESS



Verderflex Rollit: the smooth-flowing, dry-running hose pump

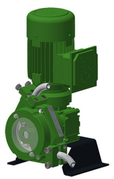
The Verderflex ROLLIT series combines ease of use with proven peristaltic technology to deliver clean, lubricant-free pumping performance. Designed for reliable, dry-running, and contamination-free operation, ROLLIT pumps complement the wider Verderflex family of hose and tube pumps, extending versatility across a broad range of industries including chemical processing, food and beverage, pharmaceuticals, construction, and environmental applications.

With a simple, low-maintenance design, ROLLIT pumps provide smooth, low-pulsation flow and excellent energy efficiency. They are fully self-priming, even under negative suction conditions, and handle dry-running operation with ease.

The range offers both single and twin pump-head configurations, available in general-purpose or high-performance models. Hygienic versions equipped with special hygienic hoses are also available, meeting recognized food-contact standards to ensure safe, reliable operation in sanitary applications.

Benefits of the Verderflex ROLLIT hose pumps:

- Gentle pumping of sensitive media
- Self-priming up to suction lift conditions
- Safe to run dry
- Suitable for high-viscous, abrasive and aggressive media
- No seals, flaps or valves
- Lubricant-free pumping / dry casing
- Wide range of hoses, including EC & FDA food grade hoses
- Small footprint
- Capable of pumping media containing solids
- Hose changeover takes less than a few minutes
- Optional ATEX versions
- Standard and low pulsation twin pump head options



Some of the key features

1. Five hose materials to meet all industry standards
2. The hose is the only wetted part
3. Teflon rollers for gentle pumping
4. Several motor options up to 4 kW power supply
5. No seals, no flaps

Options

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

Hoses

- 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)

Accessories

- Pulsation dampener
- Hose leak detection

VERDERFLEX®

