



# VERDERFLEX ROLLIT

Enhancing precision paint dosing with the dry Rollit



The Verderflex Rollit peristaltic pump is perfect for transferring and dosing abrasive and corrosive liquids in the print industry. This 'dry runner' pump offers maximum performance without a lubricant bath, which minimizes the risk of workspace or product contamination.

Paint Rheology is the most important factor in the printing industry, because maintaining the paint properties when pumping the paint to the roller presses, ensure the quality of the final printed product. The formation of paint bubbles, inconsistent texture or a change in temperature in the transfer process are all aspects to avoid during the printing process and the Verderflex Rollit does it all.

#### Options and accessories:

- Mobile base plate
- Extensive connection options
- DIN and ANSI flanges
- Hygienic flanges
- Y-manifold

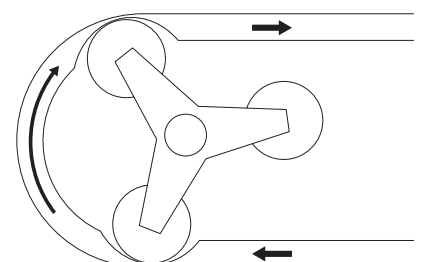


#### Working principle

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.

#### Key features:

- ✓ Safe to run dry
- ✓ Easy to maintain
- ✓ Accurate dosing
- ✓ 3-roller system for low pulsation
- ✓ Only the internal portion of the hose is in contact with the fluid





## 4 Reasons why the Verderflex Rollit is the ideal choice for the printing industry!

### 1. Pinpoint Accuracy:



The Verderflex Rollit offers precise accuracy with its even and consistent flow characteristic. It ensures that paint colors are treated with care and produces excellent printing results. Low to no pulsation ensure the paint yield is maintained at a constant and even transfer rate. With no bubble formation, temperature fluctuations, or inconsistent flow during dosing, you can trust the Rollit to deliver accurate measurements without the need for constant pump checks.

### 2. Time Efficiency:



You can speed up your print production process by changing hoses faster than your favourite paint colour could dry. The return to service rate of the Verderflex Rollit pump exceeds any competitor. There is no need to replace or remove the pump from the service position. In the event of color changes the Rollit hose replacement per batch requires little time and will enhance your overall productivity.

### 3. Clean solution:



The hose change is performed in less than 5 minutes without the need for any special tools. Moreover, the dry roller casing does not require any lubrication therefore eliminating the need to drain a pump casing or any risk of paint or pump contamination. During color changes the hose replacement eliminate any paint wastage, or require the pump to be drained from any paint that remained inside the pump.

### 4. Stability:



The Verderflex Rollit pump ensures bubble and shear free paint, and consistent flow at a stable temperature. The Rollit is dry running, self-priming, and can deliver up to 24,000l/hr at 2 or 4 bar pressure. The 3-roller rotor reduces pulsation and a twin-head pump with offset rotors can be used with the flow streams combined via a Y-manifold.

