The Solution You´ve Been Looking For

LPP-D Hoses

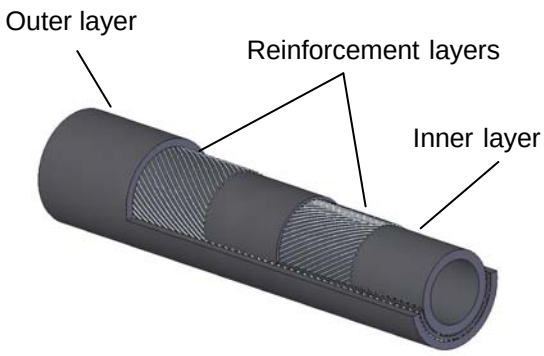
The innovative Larox Peristaltic Pumps for dosing (LPP-D) set a new industry standard for peristaltic pump technology. They incorporate a rugged construction, advanced material and elastomer technology.

The correct selection of application-specific hose materials is the most essential requirement for the optimal pump performance, accuracy and repeatability in dosing applications.

The Core of a Peristaltic Pump

The high-quality Larox LPP-D hoses have three sets of layers.

- Inner layer, which is the only part in contact with the medium, is resistant to wear and chemicals
- Reinforcement layers give the hose its pressure retaining capability
- The protecting outer layer facilitates the return to its original form after compression creating a suction effect



With decades of experience in developing innovative flow control solutions and elastomer technology, Larox Flowsys has a wide selection of superior elastomers for diverse media and process conditions. All stages of the LPP pump and hose design and manufacturing are covered by ISO 9001:2000.

The high-grade, clearly colour coded LPP-D hose materials include chemical resistant ethylene propylene, oil and fat resistant nitrile rubber and natural rubber which is ideal for heavy wearing applications. To guarantee the best possible mechanical characteristics, the hose cover is always made of natural rubber.

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RUBBER QUALITY	TYPICAL APPLICATION	TEMPERATURE RANGE	TYPICAL MEDIA
EPDM (Ethylene propylene) (colour code: violet)	Transferring and dosing chemicals (strong and oxidizing)	-10 - +80^{0}C	•Copper sulphate •Ferric sulphate •Glue •Hydrogen sulphide (wet) •Magnesium hydroxide •Magnesium sulphate (aq) •Phosphoric acid •Potassium hydroxide •Sodium sulphate •Vinegar
NR (Natural rubber) (colour code: light blue)	Extreme wearing	-20 - +70^{0}C	•Aluminium sulphate •Ammonium chloride •Bentonite •Copper chloride •Copper cyanide •Diatomaceous earth •Fillers •Glycerin •Latex •Pigments •Sodium chloride •Sodium hydroxide •Sulphuric acid <25% (amp) •Zinc acetate •Zinc chloride
NBR (Nitrile rubber) (colour code: yellow)	Oily and fatty products	-10 - +80^{0}C	•Animal fat •Animal glue •Butane •Drilling mud •Fats •Fatty acids •Hydrocarbon •Lubricants •Oils •Sewage sludge •Zinc sulphate

Maximum operating pressure for the LPP-D hose is 7.5 bar.

A Multitude of Applications

Larox LPP-D hoses have proven their suitability for a wide range of industries. Applications can be found in water and effluent treatment; mining and metal industry; minerals processing; chemical process industry; pulp and paper industry; pigments and fillers; energy production; food and beverage industry; construction industry, and oil and offshore.

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