Compact, Rust-Proof and Easily Maintained

A new double diaphragm pump which requires little maintenance and keeps pulsation to a minimum produces a consistent flow of liquid for pumping and spraying.

A newly developed diaphragm pump with a pressure ratio of 3:1 provides a cost-effective alternative to conventional pump systems. The new Twin315 model from Dete Dr. Tettenborn has been designed with PTFE composite diaphragms. All the components of the pump that come into contact with media are made from stainless steel. This makes it ideal for use with solvent- and water-based paints and other media. The pressure ratio of 3:1 allows materials to be pumped at pressures of up to 21 bar and at speeds of up to 3 litres/minute.

In addition, the model offers all the benefits of a diaphragm pump with a high pressure ratio, such as easy flushing and a compact design, and, in particular, low pulsation levels. As a result, the pump is the perfect solution for ring lines and paint supply systems.

The new diaphragm pump meets the requirements of the ATEX directive (2014/34/EU) and can be used in zone

1 explosive atmospheres. Typical applications include water- and solvent-based paints, shear-sensitive materials and low- to high-viscosity liquids. It is also able to pump media over long distances.

The self-priming system guarantees that the pump is easy to bring into operation. It is designed to be low-maintenance and it needs no lubrication. These advantages, together with the wide variety of accessories, such as a selection of suction and mounting systems, ensure that the double diaphragm pump is a true all-rounder.

The pump can be mounted on walls or tank lids. Mobile versions of the pump with trolleys and a variety of different suction systems – rigid, flexible or with a hopper – are also available. The pump is manufactured in Germany and all the spare parts are kept in stock by Dete at its Nuremberg site, which ensures that they can be supplied quickly in the event of a repair being needed. //

The diaphragm pump has a pressure ratio of 3:1 and can pump materials at up to 2.1 MPa. The pump chambers are made from stainless steel and are equipped with PTFE diaphragms.

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