THE INTELLIGENT SOLUTION
SMART DOSING PUMP

SDP
The new Smart Dosing Pump combines the classic dosing benefits of a progressive cavity pump with up-to-date control concepts.

Progressive cavity pumps are the first choice for gentle pumping of media with minimal pulsation and high linear accuracy. They are used successfully in a wide range of applications and easily cover the spectrum of thin to highly viscous media, as well as solids and corrosive liquids.

The SDP features an integrated PLC to enable stand-alone operation in, for example, distributed control systems (DCS). Set points are entered and sensors on the pump feedback operating conditions to the integrated PLC. Complex implementation into higher-level controllers is no longer required. This simplifies automation system integration and reduces the cost of installation and maintenance.

The pump can be configured with various measurement technology options. For example: Electromagnetic flow meter for measuring the flow volume. Alternative to speed measurement on the motor shaft. Optionally available.

For measurement of pressure and a wide pressure in the feed and discharge pipelines. Optionally available.

Protects against damage to the stator through dry-running. Optionally available.

For measurement of flow and a large pressure in the feed and discharge pipelines. Optionally available.
The Smart Dosing Pump with its integrated control merges seamlessly into our ranges of pump and control solutions. The modular design of our control system makes them individually adaptable to the customer’s process.

With a control solution by SEEPEX, our customers can be sure that their pump is protected even in critical situations and that their process will be optimally supported. Our dosing pumps can be applied in practically every industry sector for constant dosing and portioning of exact quantities. They are particularly well suited for minimal pulsation conveying of thin to highly viscous media with or without solids, as well as for corrosive media.

SEEPEX dosing pumps are used in the following areas: agriculture, vehicle construction, bakeries, construction industry, ceramics industry, chemical and biochemical industry, coating kitchens, material preparation, deinking in paper mills, confectionery industry, dairy industry, spirits industry, paint and varnish industry, fruit and vegetable processing, pharmaceutical and cosmetics industry, poultry, fish and meat processing, oil, gas and petrochemicals, ship building, sludge dewatering, waste water treatment, water conditioning, wine industry, as well as wood processing.

**FEATURES**

- Easy implementation of complex dosing in continuous and batch mode
- Realization of short filling times and resource-efficient media pumping
- Cost reduction due to minimal pulsation and high repeatability
- Easy integration into higher-level controls and automation systems
- Operation via handheld panel or various fieldbus systems
- Broad pumping performance range through our modular system

**KEY FACTS**

- Conveying capacity: 0.3–2,000 l/h (0.001–8.81 USGPM)
- Pressure: up to 48 bar (700 psi)