



INDUSTRIAL SOLUTIONS
...we make pumps intelligent



Hose Pumps

SPX 30 and SPX 50

Powerful Technology, Intelligently Controlled!



**Assembly Instructions:
QR-Code for easy Hose Replacement**

Powerful Technology, Intelligently Controlled

Thanks to the innovative collaboration between Schnitzler GmbH and our Spanish partner INOXMIM, we can offer hose pumps that are characterised by flexibility, durability and, even more than this, the integration of our **intelligent electronic control system IES**.

The operating principle – simple but powerful technology

The operating principle of the pump is surprisingly simple, yet highly efficient. The key lies in the peristaltics: a rotor with rollers compresses a flexible hose that winds its way through the pump. Through continuous compression of the medium, the liquid is transported through the hose. As soon as the rotor continues to turn and releases the hose, the hose relaxes and further medium is sucked in - a principle that enables the transport of even highly viscous and abrasive liquids.

A key advantage of this method is that the pumped medium only comes into contact with the hose, protecting it from contamination. This eliminates the need for additional seals or valves, significantly reducing maintenance costs and ensuring a long service life. In fact, the hose is the only real wear part.

Flexibility across various industries Wherever the challenges are great

SPX 30 and SPX 50 hose pumps are used in a variety of industries, from food processing to chemical, pharmaceutical, and industrial applications. They are particularly used where tough, viscous or abrasive media need to be pumped — situations where conventional pump systems often reach their limits or fail.

Examples of applications

FOOD INDUSTRY

Ideal for transporting porridges, juices, must, pastes and other viscous foods. They handle sensitive products without changing their consistency and at the same time prevent foaming.

WASTE WATER TREATMENT

Perfect for handling aggressive and abrasive media such as sludge or chemicals in water and waste water treatment.

CEMENT PLANTS AND PAINT MANUFACTURING

Tough and abrasive media such as cement, paints and coatings require pumps with high abrasion resistance – this is precisely where our pumps are made for.

CHEMICAL INDUSTRY

The SPX 30 and SPX 50 pumps easily handle corrosive or hazardous liquids, tackling the unique challenges of chemical processing.

NUCLEAR FACILITIES

For applications where cooling water must come into contact with as few different materials as possible, and maintenance must be quick and easy.

The key to success – Our IES control system

The most important advantage of our hose pumps lies in the integration of our **Intelligent Electronic System (IES)**. This advanced control technology provides precise, automated pump control, ensuring maximum efficiency and safety.

Schnitzler IES control system – Perfect process control

- **Dry running protection**
Prevents damage to the pump if the medium is not sufficiently
- **Automatic pressure monitoring**
The IES continuously measures the pressure in the system and can adjust the pump operation if the pressure is too high or too low. This stabilises operation and protects the pump.
- **Adjustable start and stop speed**
Ideal for preventing foaming and for gently handling the medium.
- **Capacity adjustment**
The pump can be set to the desired flow rate, making it ideal for precise dosing.
- **Automatic shut-off**
In the event of a hose or pipe break, the pump stops immediately to prevent damage.
- **Operating hours monitoring**
Continuous monitoring of operating hours enables predictive maintenance planning and increases operational safety.

These innovative features allow our pumps equipped with **IES** to operate in stand-alone mode without the need for external sensors, pressure switches, or additional control systems. This simplifies integration into existing processes and reduces operating costs.

Precision in every application

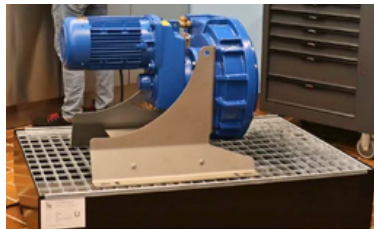
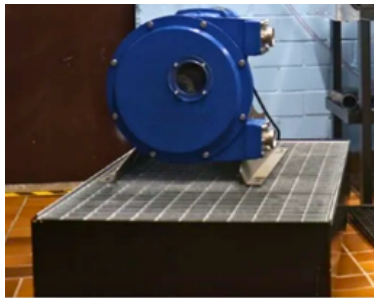
Pulsation dampener for consistent flow

For processes requiring particularly stable and consistent flow, we offer our compact pulsation dampener technology. The pulsation dampener effectively reduces pressure fluctuations caused by the pumping process, ensuring a smooth, continuous flow even when handling viscous or variable media. This is essential for precise dosing in food or chemical production. Our pulsation dampener works independently of energy, without the need for electricity or air.

Our models – Technical details at a glance

	TYP SP-30	TYP SP-50
Hoses	EPDM, NBR, FKM (food-grade)	EPDM, NBR, FKM (food-grade)
Housing	Cast iron GG-25	Cast iron GG-25
Connection	DIN flange with 1" BSP internal thread	DIN flange with 2" BSP internal thread
Max. Capacity	30 l/min.	50 l/min.
Max. Pressure	8 bar	8 bar
Max. Vacuum	0,75 bar	0,75 bar
Max. Viscosity	40,000 cP (positive inlet)	50.000 cP (positive inlet)
Max. Temperature	80 °C	80 °C

Come and visit us in our pump workshop



SCHNITZLER INDUSTRIAL SOLUTIONS is a division of:



Schnitzler GmbH
 Höfgeschhofweg 26
 D-47807 Krefeld-Fischeln
 Phone: +49 2151 82865
www.schnitzler.de / info@schnitzler.de



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Management System
 ISO 9001:2015

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