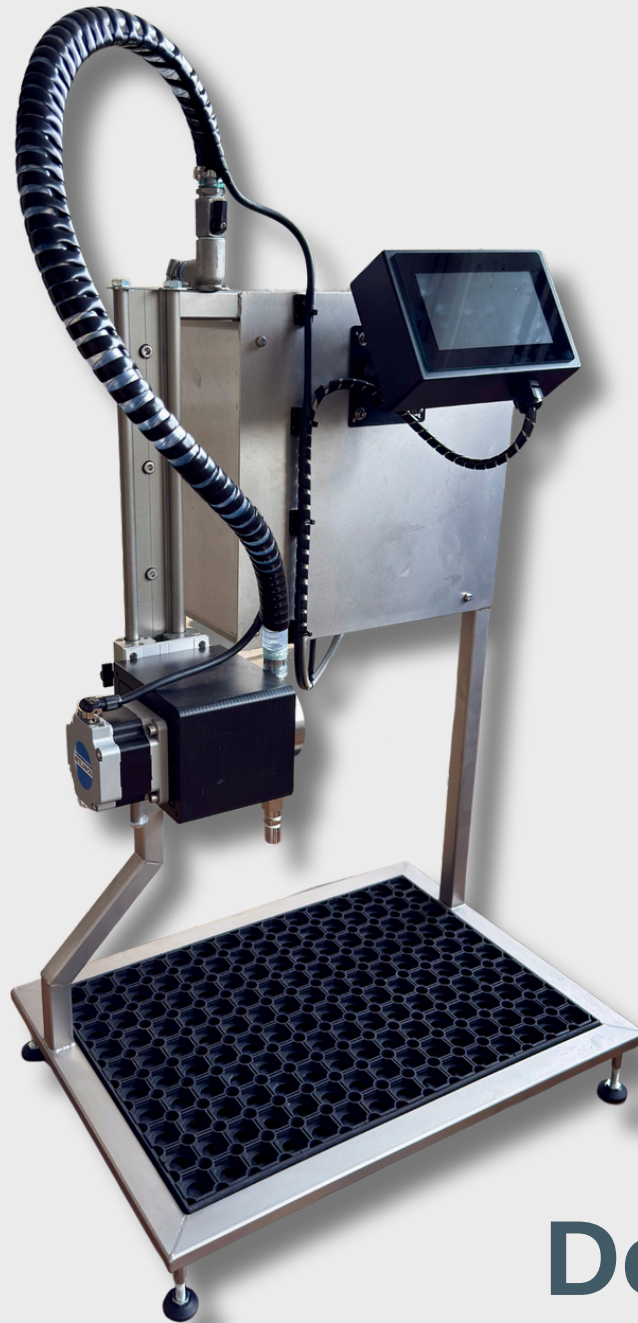




INDUSTRIAL SOLUTIONS
...we make pumps intelligent



Dosing and Filling System

DFS

Efficient. Innovative. Simple.
A new dimension in Precision Dosing and Filling Technology.
Individually configurable to meet your exact application needs.

The revolution in Dosing and Filling Technology

The new **DFS Dosing and Filling System**, developed by **Schnitzler GmbH**, provides advanced solutions based on state-of-the-art technology.

Experience a revolution in dosing and filling – so simple and effective that it requires **no additional sensors, flow meters, diaphragms, valves, or scales**.

Product description

The **DFS Dosing and Filling System** is based on our proven **magnetically coupled PEEK gear pumps** – types **TMG-03, TMG-05, and TMG-20** – enabling precise dosing and filling of various liquids with viscosities up to **1500 cP**.

The system operates **without shaft seals** (completely leak-free), and only **three materials** are in contact with the medium: **PEEK, stainless steel 316 (SST-316), and PTFE** (hose types can be specified according to customer requirements).

Whether in the **chemical, oil, food, pharmaceutical or other industries**, the system can be easily integrated into a wide range of processes.

Thanks to the integrated **Intelligent Electronic Control (IES)** and the elimination of complex peripheral components, the DFS system is not only highly innovative but also exceptionally **user-friendly**.

IES control features

- **Precise Dosing**
High-precision programmable control for dosing accuracy $\pm 1\%$.
- **Touchscreen Operation**
Fully adjustable touchscreen display for easy and intuitive operation.
- **Foam Prevention**
Adjustable pump start and stop speed to effectively minimize foam formation.
- **Integrated Data Access**
For monitoring operating hours and proper system functionality.

Technical Data

- Compact design for space-saving integration into various systems
- Self-priming up to 0.85 bar for easy handling
(Note: The system must be primed with liquid before first use)
- No additional maintenance required - designed for continuous 24/7 operation

Design	Complete system with suction pipe or hose
Dosing accuracy	± 1% (with 25 liters, medium-dependent)
Filling capacity	0.2 to 20 liters per minute
Maximum viscosity	1500 cP
Maximum temperature	85 °C
Materials	Stainless steel 316, PEEK, PTFE or EPDM
Compatible with	Drums, canisters, and IBC systems

Compatible with TMG-Pumps 03, 05 und 20

TMG-03	Flow rate up to	3 Liter / min.
	Pressure up to	6 bar
	Viscosity max.	500 mPas
	Maximum temperature range	0 to 85°C
	Dosing accuracy	± 1 %
	Suction / Discharge connections	1/8"
	Output power	120 Watt
	Adjustable speed (rpm)	50 - (800*) - 4000
	Maximum dimensions	L = 156 mm / W = 130 mm / H = 165 mm
	Weight	4 kg

TMG-05	Flow rate up to	6 Liter / min.
	Pressure up to	10 bar
	Viscosity max.	1000 mPas
	Maximum temperature range	0 to 95°C
	Dosing accuracy	± 1 %
	Suction / Discharge connections	1/4"
	Output power	200 Watt
	Adjustable speed (rpm)	50 - (600*) - 4000
	Maximum dimensions	L = 215 mm / W = 130 mm / H = 165 mm
	Weight	6 kg

TMG-20	Flow rate up to	21 Liter / min.
	Pressure up to	10 bar
	Viscosity max.	1500 mPas
	Maximum temperature range	0 to 95°C
	Dosing accuracy	± 1 %
	Suction / Discharge connections	1/2"
	Output power	300 Watt
	Adjustable speed (rpm)	50 - (300*) - 4000
	Maximum dimensions	L = 250 mm / W = 130 mm / H = 165 mm
	Weight	8 kg

* Minimum speed for self-priming

Precisely built to your requirements



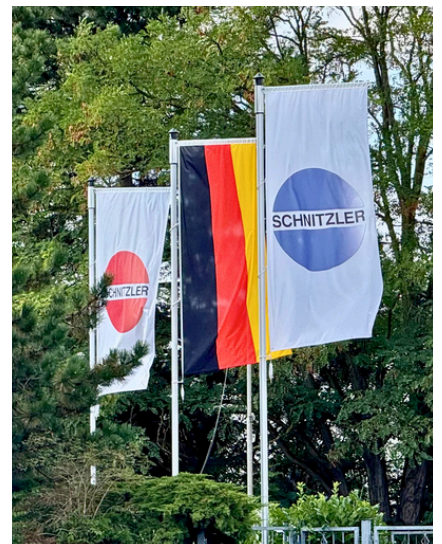
The **DFS Dosing and Filling System** is individually developed, manufactured, and assembled in Krefeld, Germany.

Its **modular construction** allows full adaptability to the specific requirements of different industries.

With its **flexibility** and **innovative control technology**, the DFS system sets **new standards** in Dosing and Filling technology.

We would be pleased to demonstrate the system to you **in our Pump Workshop**.

Come and visit us in our Pump Workshop



... oder auf YouTube at <https://www.youtube.com/@schnittlergmbh8723>

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