

dos feed H

material feeding
with maximum
material efficiency.

For abrasive and non-abrasive materials from 70,000 mPa·s.



maximum material efficiency

- Best material utilization up to 99.6 %
- Significant reduction of material waste through the use of an innovative blister following plate
- Compensation of different hobcock diameters (up to +20 mm)

maximum process reliability

- Bubble-free material through degasser
- Monitoring of all process critical production steps
- Reduction of downtimes

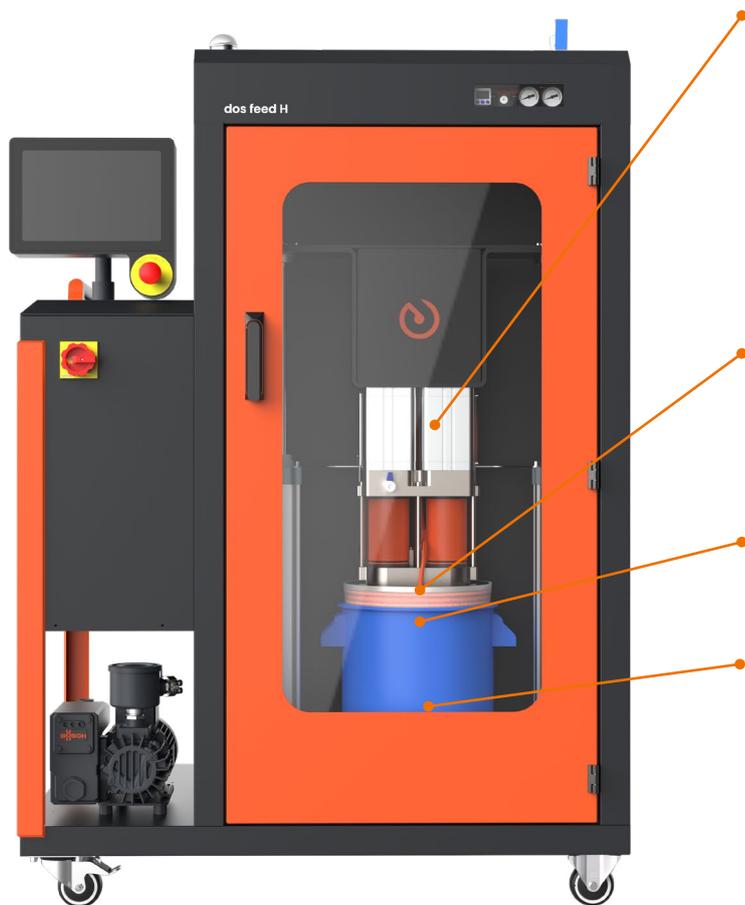
intelligent plant sensors

- Exact determination of the current fill level
- Automatic detection of disturbances, wear and leaks
- Self-calibrating pumps for best feed performance

pump selection by requirement

- Can be equipped with two alternative pumps
- Continuous, uninterrupted material feeding
- Maximum feeding performance for highly viscous and abrasive materials

the innovations of dos feed H



Modular pump concept

dos feed H is optionally equipped with different pumps depending on the requirements:

1. **Vertical piston pumps** for abrasive and non-abrasive materials (up to 35 bar, viscosity up to 500,000 mPa·s).
2. Powerful **scoop piston pumps** for non-abrasive materials (up to 80 bar, viscosity up to 3 mio mPa·s).

The pumps work on both strokes and thus ensure maximal material transport.

Unique blister technology

dosmatix reduces material waste with an innovative disposable blister. The cost-effective docking plate provides a perfect seal to the hobcock rim and allows the use of different sizes with up to 20 mm tolerance in diameter.

dosmatix degasser dos ventup

For maximum process reliability, the dos ventup eliminates air inclusions in the potting medium.

Robust sensors and intelligent software

Process parameters are independently defined and set. Self-calibration of the pump speed enables fully automatic setting of the feed pump.

Intelligent software eliminates downtimes caused by pressure deviations.

technical data

Pump type	Scoop piston pump	Vertical piston pump
Hobcock size (nominal volume)	e.g. 22 litres (standard hobcock)	e.g. 22 litres (standard hobcock)
Feed volume	27 ml/stroke	250 ml/stroke
Vacuum level for degassing process	5 mbar	5 mbar
Electrical supply	230V AC (L-N-PE) / 16A	230V AC (L-N-PE) / 16A
Pneumatic supply	Constant 6 Bar, class 5 DIN ISO 8573-1	Constant 6 Bar, class 5 DIN ISO 8573-1
Dimensions (lxwxh)	1C: 1100 x 790 x 1750 mm	1C: 1100 x 790 x 1750 mm
	2C: 1800 x 790 x 1750 mm	2C: 1800 x 790 x 1750 mm
Weight	1C: ca. 470 kg	1C: ca. 470 kg
	2C: ca. 800 kg	2C: ca. 800 kg
Control system	Beckhoff Automation	

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