



NFS

Automatic refilling-station units



AUTOMATED SEALING SOLUTIONS

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Automatic refilling-station units

Accurate refilling for continuous and precise dosing.

Fully automatic refilling-stations, when used as part of a completely automated manufacturing process, ensure material-specific preparation, homogenous consistency and a continuous supply of material – all with greater operating convenience and increased working and functional reliability. This means that production downtimes are now a thing of the past.

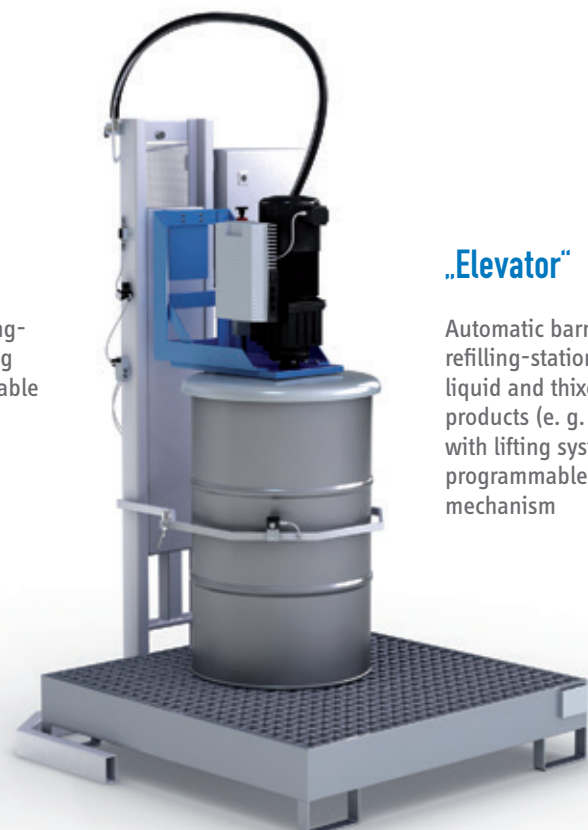
Because no one really likes getting their hands dirty!

The automatic refilling-station fills the operating tanks of the dosing and mixing units directly from a barrel or other container – without causing exposure to any contaminant or other hazardous substance. The device is controlled from the dosing and mixing unit, with monitoring provided by level-detection sensors located inside the operating tanks. Agitator mechanisms with programmable agitator speeds and timer-switch functions are used for producing consistently homogenous reactive materials. All refilling-station units can be fitted with different agitator elements to suit the handled material. The system can also easily be added to any existing mixing and dosing production plant. For additional operating convenience, working consistency and functional reliability, we can also offer refilling-station units with an automatic lifting mechanism.



„Big Elevator“

Container-type refilling-station unit with lifting system and programmable agitator mechanism



„Elevator“

Automatic barrel-type refilling-station unit for liquid and thixotropic products (e. g. polyol), with lifting system and programmable agitator mechanism

DESCRIPTION

- Column with barrel-cover lift (can also be supplied with pump mounting)
- Compressed-air barrel-lid mechanism operated by hand lever
- Electrically-actuated agitator mechanism, with drive shaft and agitator blades
- Pneumatic reciprocating pumps or diaphragm pumps (adaptable)
- Control cabinet fitted with timer switch for programmed operation of agitator mechanism
- Set of hoses for connection to dosing and mixing unit
- Collection tank with metal grille (optional)

TECHNICAL DATA

- Paint finish: RAL 5015 (sky-blue) / RAL 7035
- Operating ratio of reciprocating pump: from 5 : 1 to 10 : 1
from 10 : 1 to 55 : 1 (with FPS)
- Agitator turning speed: 21 rpm (non-regulated version)
20 to 300 rpm (regulated version)
- Electrical system: 3 x 400 V, 50 Hz or 60 Hz, TN-network
- Electricity: designed in accordance with EN 60 204-1
- Average consumption: approx. 0,25 bis 1 kVA
- Air-supply rating: approx. 450 l/min. at 5 bar
- Length of connection tubing supplied: approx. 5 m

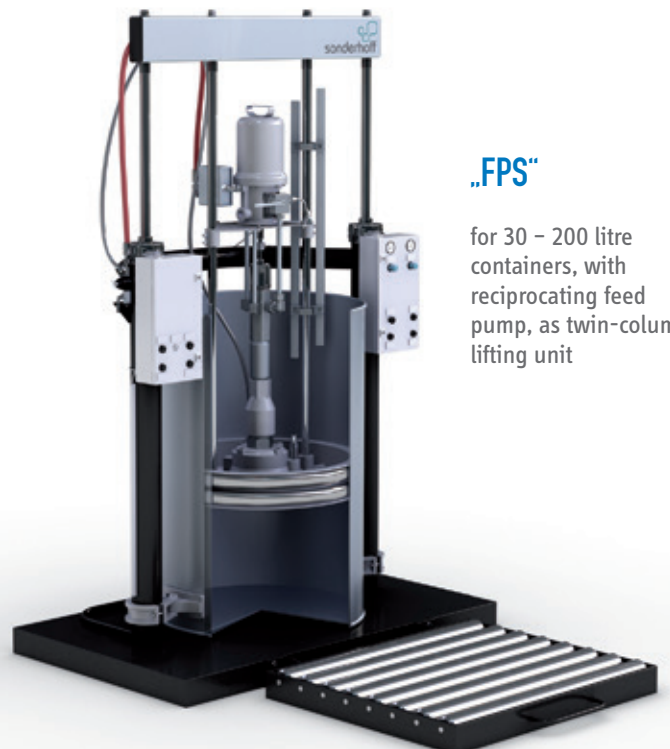
VARIANTS

- “Supply Tap” with reciprocating pump (also available with membrane pump)
- “Elevator” with agitator (0,75 kW), unregulated, with reciprocating pump
- “Elevator” with agitator (1,5 – 3 kW), regulated, with reciprocating pump
- “Elevator/Supply Tap” 1 x agitator (0,75 kW), unregulated, 1 x reciprocating pump,
1 x membrane pump
- “Elevator/Supply Tap” 1 x agitator (1,5 – 3 kW), regulated, 1 x reciprocating pump,
1 x membrane pump
- “Big Elevator” with agitator (0,75 kW), unregulated, without pump
- “Big Elevator” with agitator (1,5 – 3 kW), regulated, without pump
- “FPS” for 30 – 200 litre containers, with reciprocating feed pump, as
twin-column lifting unit



„Supply Tap“

Automatic barrel-type refilling-station unit for free-flowing liquid products (e. g. isocyanates)




„FPS“

for 30 – 200 litre containers, with reciprocating feed pump, as twin-column lifting unit



We supply worldwide to more than 50 countries and our customers produce annually more than 300.000.000 seals with our products.

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