

# SONDERHOFF BIG ELEVATOR / ELEVATOR / SUPPLY TAP / FPS

Automatic refill stations



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Accurately refilling for continuous material supply

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

## **Because no one really likes getting their hands dirty!**

An automatic refill station fills the material pressure tanks of the mixing and dosing system with the material components directly from barrels or other containers – without causing exposure to any contaminant or other hazardous substance. The device is controlled from the dosing and mixing system, with monitoring provided by level-detection sensors located inside the material pressure tanks. Regulated agitator mechanisms with programmable agitator speeds and timer-switch functions are used for producing consistently homogenous reactive materials.

All refill stations can be fitted with different agitator elements to suit the handled material. Existing mixing and dosing systems can be retrofitted with a refill station. For more operating convenience, working and machine safety, we also offer refill stations that are equipped with an automatic lifting device.



## **SONDERHOFF BIG ELEVATOR**

**Automatic container-type refill station with lifting device and regulated agitator mechanism for liquid and thixotropic products (e.g. polyols)**



## **SONDERHOFF ELEVATOR**

**Automatic barrel-type refill station with lifting device and regulated agitator mechanism for liquid and thixotropic products (e.g. polyols)**

# AUTOMATIC REFILL STATIONS

## Technical data

### DESCRIPTION

- › Column with barrel-cover lift or alternatively with pump holder
- › The barrel-cover lifting device is moved pneumatically
- › Material conditioning by an electrically actuated agitator mechanism, with agitator shaft and agitator blade
- › Agitator programming with timer fitted in the switch cabinet of the refill station
- › Pneumatic piston pumps or diaphragm pumps (adaptable)
- › Hose package for connection to the mixing and dosing system
- › Drip pan with grating (optional)

### TECHNICAL DATA

Paint finish	RAL 5015 (sky-blue) / RAL 7035
Operating ratio piston pump	from 5 : 1 to 10 : 1 / from 10 : 1 to 55 : 1 (with the barrel-type pump station SONDERHOFF FPS)
Agitator turning speed	For non-regulated version: 23 rpm at 0.18 kW For regulated version: 20 – 150 rpm at 1.5 kW; alternative: 30 – 300 rpm at 3.0 kW
Electrical system	3 x 400 V, 50 Hz or 60 Hz, TN-network
Electrical design	according to EN 60 204-1 standard
Consumption	approx. 0.25 to 1 kVA
Compressed air-supply rating	approx. 450 L/min. at 5 bar
Hose package length	approx. 5 m

### VARIANTS

SONDERHOFF BIG ELEVATOR	Automatic container-type refill station with agitator (0.18 kW), non-regulated, without pump; Automatic container refill station with agitator (1.5 or 3.0 kW), regulated, without pump
SONDERHOFF ELEVATOR	Automatic barrel-type refill station with agitator (0.18 kW), non-regulated, with piston pump; Automatic barrel-type refill station with agitator (1.5 or 3 kW), regulated, with piston pump
SONDERHOFF SUPPLY TAP	Automatic barrel-type refill station with piston or alternatively diaphragm pump
SONDERHOFF FPS	Automatic barrel-type pump station (ram press) for 30 to 200 liter containers, with scoop piston pump, as twin-column lifting unit



## SONDERHOFF SUPPLY TAP

Automatic barrel-type refill station for low-viscosity products (e.g. isocyanates)



## SONDERHOFF FPS

Automatic barrel-type pump station for 30 to 200 liter containers, with scoop piston pump, as twin-column lifting unit, for highly viscous / pasty materials

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