

PIVOTING PALLET FILLING EQUIPMENT ELEMENTRA® 16



e POWER



ELEMENTRA® 16

The ELEMENTRA® 16 convinces with many relevant accessories from the FEIGE modular system and can be extended with conveyor systems or complementary product hose system. New features provide for even more accuracy and sustainability.

The new FEIGE web HMI with touch screen offers an intuitive design for high operating comfort. This FEIGE  equipment version is particularly efficient, with pneumatically driven components being designed electrically, thus saving cost-intensive compressed air.

FEIGE 
= Electric lifting unit

1 Base height adjustment

- With continuously adjustable base height adjustment for changing over to different container heights

2 Lifting unit

- Sturdy double-acting pneumatic actuator or servo motor with threaded spindle
- No compressed air or power supply – no lowering of valve (passive brake)
- Special design for aggressive products
- With-surface filling possible

3 Actuator for opening and closing the filling valve

- 2-stage push-type for coarse fill and adjustable fine fill
- Optionally, continuous adjustment
- Stainless steel quick-change holder of filling valve for quick replacement of the valve with lance

4 Fill level and status indication

- Interactive operation by means of LED display in the control box door
- Weight-controlled fill level indicator

5 Web HMI

- Alarm-related help texts with photos, videos and comment function
- Intuitive design
- Operation like a smartphone
- 15.6" multi-touch screen
- Full HD display
- Comprehensive management of recipes and orders
- FDA-compliant user administration
- Logbook (optional)
- Web-based system

6 Large control box

- High flexibility due to machine control S7-1500
- Integrated pneumatic control

7 Stainless steel/acid protection coating

- Stainless steel design elements at the control box with high-quality acid protection coating

8 Filling modes

- Below-surface, for products which produce foam during filling
- Below-bunghole, for uncritical products
- Above-surface, for uncritical products that are filled in open head containers
- With-surface, for high-viscosity products

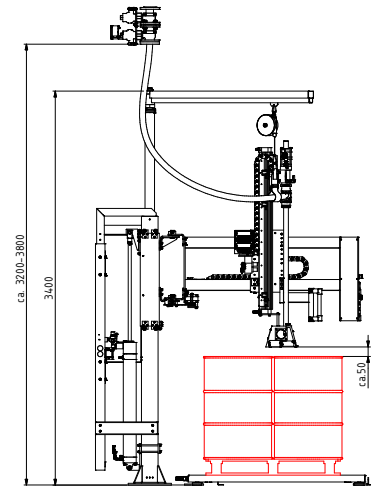
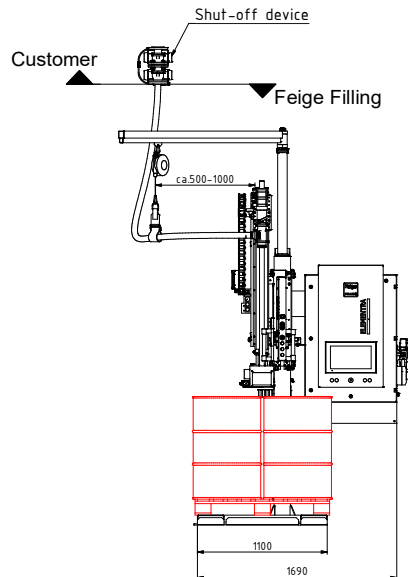
9 Pallet roller conveyor

- Driven
- Ergonomic further transport of filled pallets
- All rollers driven by chains and gear motor

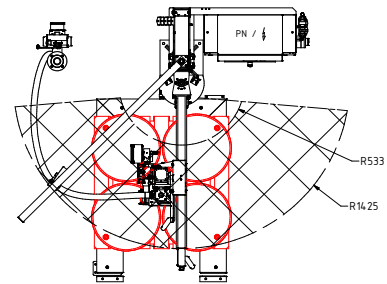
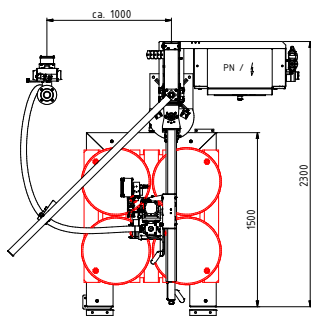
10 Different containers



* Fig. includes special equipment



Configuration example
(Specifications in mm)



TECHNICAL DATA

	Degree of protection	IP55
	ATEX marking	Ⓔ II 2G Ex h IIB T3 Gb
Power supply and		230V or 3 ~ 400V, 50Hz
Performance data	Basic machine	0.5 kVA
	Electric lifting unit	0.75 kVA
	Motor-driven base height djustent	0.25 kVA
Air pressure:		5 bar g dynamic
Air consumption	Pneumatic lifting unit	40 standard litres/drum for below-surface filling
		30 standard litres/drum for below-bunghole filling
	Electric lifting unit	2 standard litres/drum for below- and with-surface filling
		2 standard litres/drum for below-bunghole filling
		2 standard litres/drum for below-bunghole filling
Ambient temperature		+5 to + 35°C, optional 0 to 55°C with heating and air conditioning unit
Product temperature		0 to 130°C
Nominal output		50 to 60 drum/h depending on product flow
Weighing ranges approved for verification	10 to 300 kg - increment 0.1 kg, to 1200 kg/1500 kg - increment 0.5 kg	
	40 to 600 kg - increment 0.2 kg, to 1500 kg - increment 0.5 kg	
	100 to 1500 kg - increment 0.5 kg, to 2000 kg - increment 1.0 kg	
Weight		Approx. 500 kg, according to version
Product connection		Feige square flange, wide range of product hose selection
External control	Dry contacts	2 (coarse/fine)
	Analogue signal	4-20mA (for product pump or pilot valve)