Feige FILLING

DRUM FILLING EQUIPMENT ELEMENTRA® 29

ELEMENTRA® 29

Thanks to extensive peripherals, the ELEMENTRA® 29 meets the special requirements of the filling products and the respective environment. New features provide for even more accuracy and sustainability.

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

FEIGE ePOWER
= Electric base height adjustment and lifting unit

1 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

2 Base height adjustment

- With continuously adjustable base height adjustment via spindle and hand wheel or motor-driven for changing over to different container heights

3 Pneumatic actuator for opening and closing the filling valve

- 2-stage push-type for coarse fill and adjustable fine fill
- 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

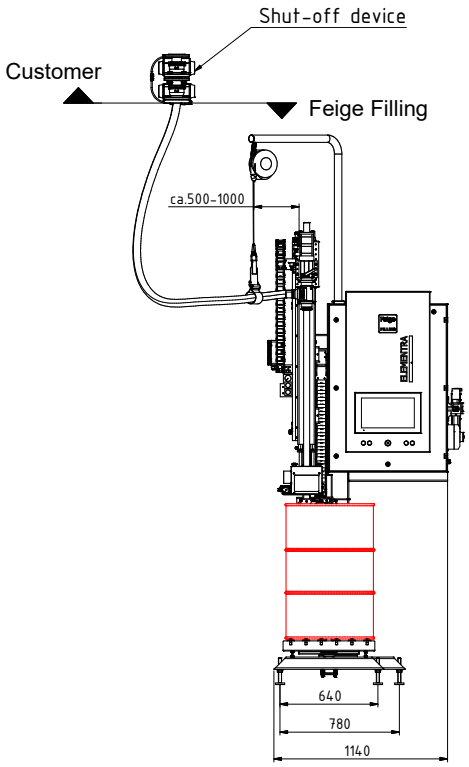
- Below-surface, for products which produce foam during filling
- Below-bunghole, for uncritical products
- Above-surface, for uncritical products that are filled in open head containers
- With-surface, for high-viscosity products

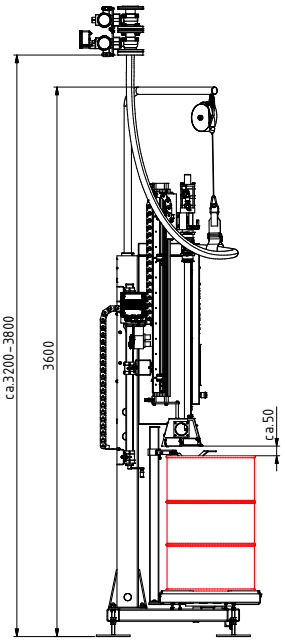
9 Drum roller conveyor

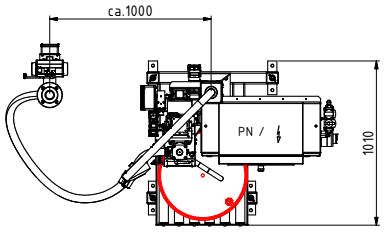
- Non driven or all rollers driven by chain and gear motor
- Ergonomic further transport of filled drums

*** Fig. includes special equipment**

VERSION







Configuration example
(Specifications in mm)

TECHNICAL DATA

Power supply and Performance data	Degree of protection	IP55
	ATEX marking	⟨Ex⟩ II 2G Ex h IIB T3 Gb
		230V oder 3 ~ 400V, 50Hz
	Basic machine	0,5 kVA
	Electric lifting unit	0,75 kVA
	Motor-driven base height adjustment	0,25 kVA
Air pressure:		5 bar dynamisch
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 above-surface 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
		10 to 300 kg - increment 0.1 kg, to 400 kg - increment 0.2 kg
		10 to 150 kg - increment 0.05 kg, to 300 kg - increment 0.1 kg
Weight		Approx. 300 to 400 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)