

Calibratable Filling Scale Type WAEK/IT 100 ex-p/e



- Filling and check weighing
- Ex-proof with ATEX approval for zone 1
- Overfill protection through PLU entry
- Encapsulated construction
- Pneumatic shut-off
- Unit construction system ensures adaptation to different operating conditions
- Single-point load cell
- Automatic filling after tare weight entry
- Data transfer possible

Type WAEK/IT 100 ex-p
Design with pneumatic filling head and
folding platform



Digital Terminal

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Filling stations for gases and liquids
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Application

The filling scale, Type WA EK/IT ex was developed specially for gravimetric cylinder filling of liquefied gases with filling pressures up to approx. 25 bar. It is a very easily operated filling scale.

This is a calibratable ex-proof filling scale with an automatic shut-off system. The good readable electronic display of the digital indicator serves for more convenient operating. Equipping this filling scale with special shut-off valves it is possible to apply another media, such as: carbon dioxide, anhydrous ammonia chlorine, refrigerating agents and others.

Design Features

- Complete encapsulated design.
- For all types of domestic and industrial cylinders.
- Can be equipped with all types of filling connections: automatic, pneumatic or mechanical.
- Possibility to combine mechanical and pneumatic filling heads.
- Substructure without movable parts, thus wear-free.
- Due to a comprehensive range of accessories the filling machine can be adapted to different requirements and loads.
- Maintenance- and repair-friendly thanks to easily exchangeable shut-off valve and the load cell.
- Filling process can be interrupted at any time by emergency.
- Over built-in interface the data transfer possible.

Operation and Function

- The filling scale is intended for all operating modes: semiautomatic or fully automatic.
- For carousel use, inline filling stations or separate installation.
- Up to 20 different filling weights (PLUs) can be stored into the data bank.
- A filling correction factor may be added to each filling weight. This feature allows for high filling accuracy even with different cylinder valves and filling pressures.
- The operation terminal is equipped with an elevated touch button system, thus it is possible to operate even using hand gloves.

Installation

The filling machine is available in different executions and can be adapted due to a wide range of accessories to a variety of respective demands. For the filling of small cylinders the scale may be simply placed on the floor while the filling of large cylinders it could be installed countersunk in the floor.

Optional Features

- Pneumatic lifting bridge in case of installation into an inline filling plant or roller platform for carousel use
- Integrated pneumatically-automatic push off device for the filled cylinders in case of installation into the chain conveyor
- Folding platform for small bottles

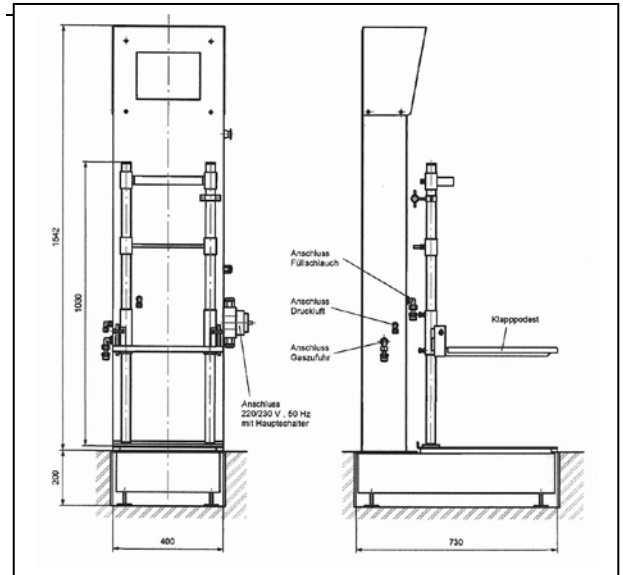


Abb.: Base version with folding platform

Technical Data

Weighing capacity: 50, 100, 150 or 200 kg

Display division: other divisions possible
Standard 100 g

Load cell: Single Point, completely encapsulated, accuracy class 3

Display: LCD graphic display (240 x 128)

Platform: 400 x 500 mm

Shut-off: Pneumatic

Connections: Compressed air: hose Ø 6mm
Propane:
male thread 21,8x1/14 left
Electricity: 3 x 1,5mm²

Energy: Compressed air:
Working pressure: 5 - 6 bar
Consumption: with pneumatic filling connection
ca. 0,2 NI/cylinder

Air quality: ISO 8573-1, Class 2

Approval: EC-Approval type no. DK 0199.8

Power: Power supply AC 230V/50Hz

Ex-proof: ATEX EEx ibII C T4 for zone1

Weight: 100-140 kg (according to design)