

Calibratable Electronic Filling Scale Type WAER ex/p-e

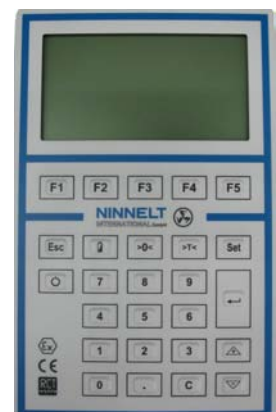


Design:
WAER 100 ex/e with Pneumatic
Connection, Type 6124



The picture shows the Folding
Platform
(optionally available)

- Ex-proof with ATEX approval for zone 1
- Overfill protection through PLU entry
- Pivoting weighing terminal for more convenience
- Encapsulated construction
- Filling data transfer via radio transmission
- Internal memory for 6000 entries
- Pneumatic or electrical shut-off
- Unit construction system ensures adaptation to different operating conditions
- Single-point load cell
- Automatic filling after tare weight entry



Digital Terminal

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Filling stations for gases and liquids
 Conveying and transport technology
 Palletizing systems
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CORKEN Pumps • Compressors
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Application

The filling scale, Type WAER 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 an ex-proof filling scale with an automatic shut-off system. The good readable electronic display of the digital indicator serves for more convenient operating. Built-in receiver module provides wireless connection to a computer system for evaluating, saving or printing of filling data. The memory module in the digital indicator saves the information of the last 6000 filling cycles. 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

- The filling scale, Type WAER ex is available in two executions:
 Type WAER ex/p (pneumatic shut off)
 Type WAER ex/e (electric shut off)
- 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.
- Positions of the weighing terminal and the shut-off valve can be adjusted to different cylinder sizes and filling connectors.
- 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.
- Built-in modules allow for filling data memory and data transfer.
- Operation temperature: -20°C - +40°C.

Operation and Function

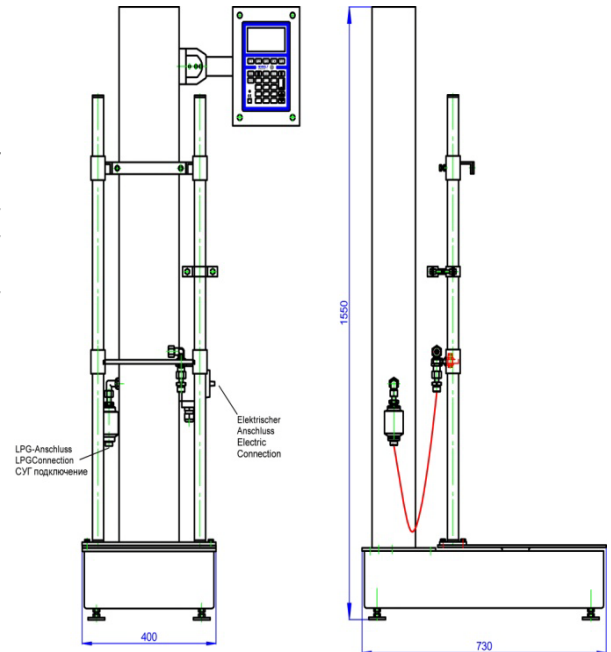
- The filling scale is intended for all operating modes: semiautomatic or fully automatic.
- For carousel use, inline filling stations or separate installation.
- Up to 12 different filling weights (PLUs) can be stored into the data bank.
- A filling correction factor may be added to each filling weight. 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.
- The digital indicator shows the current working condition of the filling process (encoded values, process status, error messages).
- The filling data can be wireless retrieved and saved on computer.

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 for 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



Basic design

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)

Data transfer: wireless

Platform: 400 x 500 mm

Shut-off: Electrical, alternatively 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

Power: Power supply AC 230V/50Hz

Ex-proof: ATEX EEx ibII C T4 for zone1

Weight: 75-100 kg (according to design)