

➤➤ Aeration/deaeration plant L361, max. throughput 720 m³/h

Natural aeration/deaeration plant with air connections on both sides to improve the hygiene in drinking water reservoirs. Completely made of 1.4307 stainless steel except the filter material, shielded arc welded, acid-treated in a pickling bath and passivated.

Comprising:

Item 1.0

Louvre, attack-proof, pre-finished, rigid design, with a stable frame, slats and 1 x 1 mm insect screen. The insect screen serves as first filter stage and prevents the ingress of small animals, insects and organic coarse material. Minimum size 600 x 400 mm

Dimensions: W x H = _____

Item 2.0

Air line in partial lengths according to the specific local conditions, with a connecting plate designed to suit the louvre (item 1.0) for air-tight bolted fixing to the interior structure wall, with pipe connection piece. Pipeline DN , longitudinal welded seam stainless steel pipe, bends as required, flexible joints, including fixing material, foam rubber gasket and mounting brackets.

Item 3.0

Air filter unit L361 with connection pieces on both sides, suitable for the air line, with fine filter and filter for suspended matter, with two DN 1/2" stainless steel condensate drains upstream and downstream of the filter package, each with check valve, including wall mounting brackets.

The air filter unit is designed for installation directly into the air line. The fine material filter installed in the air line is filter class ISO ePM10 75% according to EN ISO 16890 and serves as second filter stage. The fine filter is required to increase the lifetime of the subsequent suspended material filter as third filter stage. This filter is filter class H13 with a separation class H13 of at least 99.99% in compliance with DIN EN 1822. Both filters consist of a germ-killing material that ensures the drinking water hygiene even under high loads and air moisture.

A pressure transducer controls filter pollution. The pressure is measured upstream and downstream of the filter package, the pressure differential is shown as a four-digit display value and additionally as an analogue value 0 10 V, 4 20 mA.

Standard measuring range: 0 1000 Pa, preset to 500 Pa

Supply voltage: 24 V AC/DC

Linearity: ±1.5%

Temperature drift: 0.1% per K

Cable screw connection: M 12

Protection grade: IP 65

Relay output: potential-free changeover contact

Connection to a telecontrol plant or alarm system is possible.

A connection for power must be available.

Type L361

Air filter tank L x W x H = 520 x 640 x 725 mm

Item 4.0

Safety valve as an additional overpressure/underpressure protection to protect the structure in case of malfunctions. The reaction pressure 1000 Pa.

Note:

Tank stability must be guaranteed under any usual and exceptional operating conditions. Only with sufficient dimensioning of the structure and all components the customer is permitted, on his own risk, to do without a safety valve after consultation of the stress analyst on the customer's own responsibility.

Item 5.0

Ready-to-operate **installation**, without brickwork, plastering works and chiselling work, without electrical work, without drain pipe, including instruction of the operating staff on site.

Optional equipment and spare parts

Item 6.0

Fine filter, filter class ISO ePM₁₀ 75%, in compliance with EN ISO 16890, for type 361

Item 6.1

Suspended material filter, filter class H13, separation efficiency 99.99% in compliance with DIN EN 1822, for type 361

Options:

- 1.4404 (AISI 316 L) stainless steel
- Radial pipe ventilator for installation in DN _____ air line, for forced ventilation
- With power supply unit for regulating the pressure transducer from 230 V to 24 V.

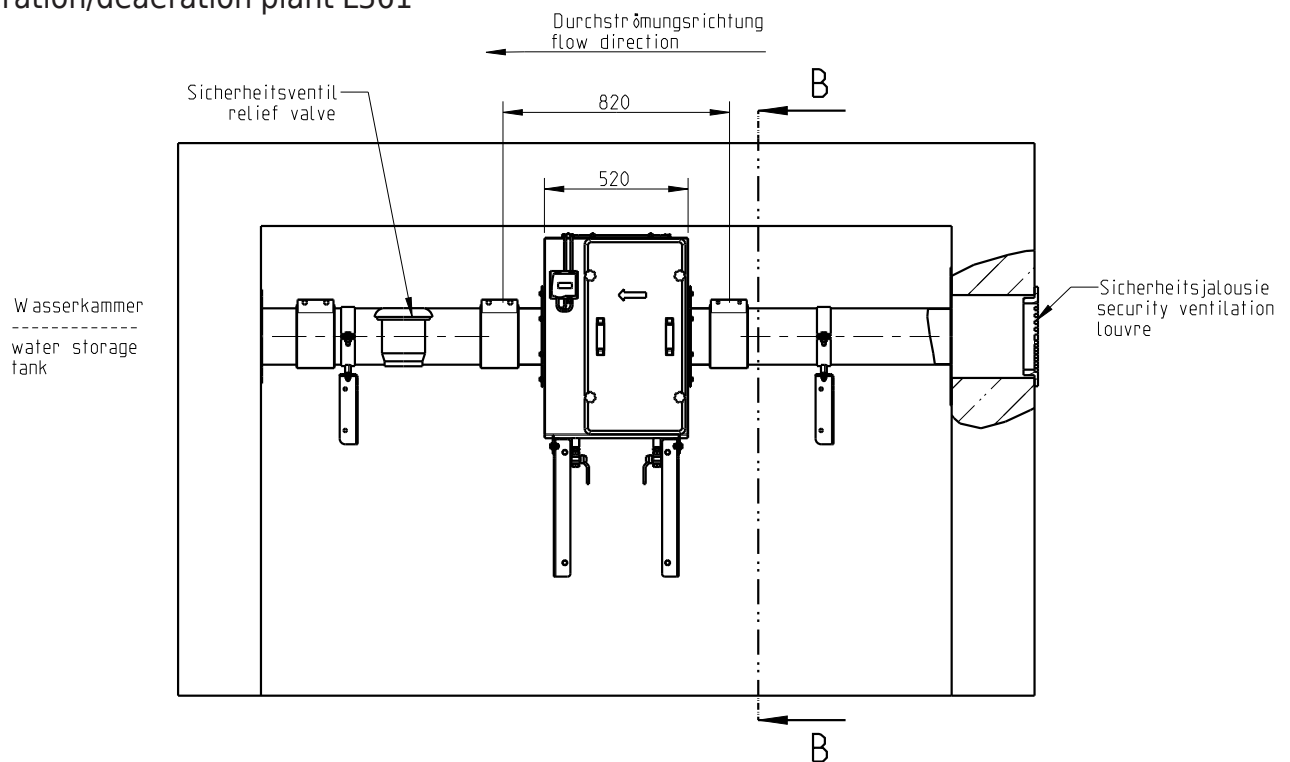
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Subject to technical modification
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Process description of aeration/deaeration plant L361 and L661, max. throughput 720 m³/h

Aeration/deaeration plant L361



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Technische Änderungen vorbehalten
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