

EWE standpipes

One system, many solutions





Table of contents

EWE standpipe program 4

MODU standpipe 5

Standpipe for plastic water meter 6

Special and garden standpipes 7

Standpipe spare parts 8

Safety features for standpipes 9


Accessories for standpipes 10

Accessories for overground hydrants 11

Accessories for subsurface hydrants and fairground distributors 12

Tools and keys 13

EWE – thoroughly tried and tested! 14

A vertical cross-section of soil is shown, with a layer of green grass and brown roots at the top. The soil below is dark and textured. A blue sky with white clouds is visible at the top. A blue triangular graphic element is in the top-left corner.

**Reliability and innovation
from a single source**

EWE standpipe program

Our products are valued highly by professionals at utility companies and landscape gardening firms. This is because in addition to more than 70 years of experience, we are also motivated by a desire to develop top solutions for the future. When doing so, we draw upon tried-and-tested standards and invest in research and development at our company. This results in robust, durable standpipes made from high-quality materials that are suitable for use with drinking water.

EWE standpipe program

All EWE standpipes are equipped with safety features and meet the requirements for a non-stationary water supply in accordance with DIN 2001-2 ("Drinking water supply from small units and non-stationary plants") and DVGW (German Association of Gas and Water Engineers) Worksheet W 408 ("Connection of removal facilities on hydrants in the drinking water distribution systems"). Thanks to the flexible modular construction system, we are able to offer a broad model spectrum. Individual solutions, customised in line with your technical requirements depending on the intended use of the standpipe, can therefore be realised quickly and easily.

Standpipes for subsurface hydrants

- Available for DN 80 subsurface hydrants but also for DN 50 and DN 100 subsurface hydrants and the Wuerttemberg pit system
- All models have a rotating head
- With or without water meter
- Easy replacement of water meter using screwed connection
- With up to seven brass outlet valves
- With non-return-flow valve or BA system separator
- With aerator and GEKA and/or C-coupling
- With hot-pressed brass screw base, brass slip ring, and rubber gasket
- With stainless steel cone filter, held by a stainless steel spring lock washer, alternatively with a fine filter
- Stainless steel pipe, brass handle, brass knobs with impact-resistant plastic coating
- Standpipe upper section and base can be supplied separately
- Individual lettering for standpipe identification possible
- Modular system enables cost-effective, efficient repair work
- Long-term supply of spare parts



MODU standpipe

In collaboration with
Stadtwerke Neumünster



The modular standpipe enables the reliable supply of clean drinking water. It is user-friendly and can be quickly and easily placed into operation. It protects the systems of the water supplier from contamination. Thanks to the innovative MODU standpipe system, it will be quicker and easier in future to supply hygienic drinking water for public events.



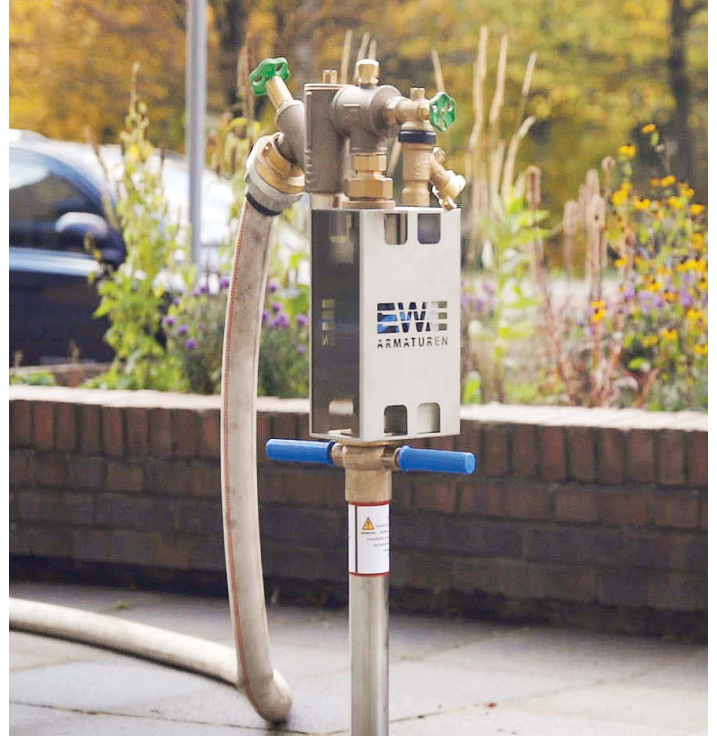
MODU standpipe

- Developed by Stadtwerke Neumünster (SWN), patented, and now launched on the market with the help of EWE-Armaturen.
- Comprising multiple components that can be quickly changed for flushing and supply purposes: Standpipe base, flushing head (to which a flushing hose can be connected), and supply head
- Thanks to the various components, the handling of the standpipe during use is greatly simplified, and no additional second standpipe is now required.
- Significantly quicker installation and deinstallation of flushing/supply pipe and fast change between flushing and supply head with modular standpipe using quick coupling
- Component changing above street cap means that no flushing water can flow back into the hydrant
- Reduction in material wear due to various attachment modules
- Preservation of sensitive components such as water meters and system separators due to thorough flushing
- Decrease in standpipe repair costs
- Quick and easy supply of hygienic drinking water for public events
- various accessories such as e.g. flushing lance, flushing pad etc.



Standpipe for plastic water meter

Water meters made of plastic are being used more and more frequently, which means there is also a desire to integrate them in the standpipe. In addition to avoiding double storage, these meters are considered to be insensitive to contamination, since no sieves are installed and there are no mechanical counters or measuring chambers. This standpipe offers the perfect place for the plastic water meter.



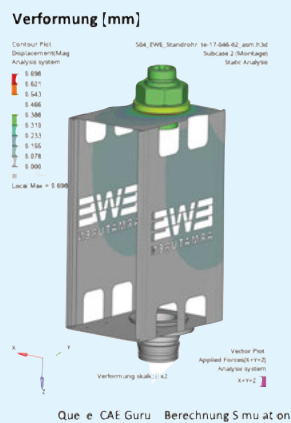
Standpipe with protective cage

- Thanks to the protective cage, the plastic water meter is not subject to any external stress and is floating
- Robust use of the standpipe is still possible
- Easy counter replacement without dismantling the cage



Load test passed

- Cage was subjected to a stress test using the „Finite Element Method“ in a computer simulation
- Pressure peaks were simulated
- Successfully passed practical test under tough conditions in quality assurance
- No plastic deformation - therefore perfect protection for the plastic water meter and other parts

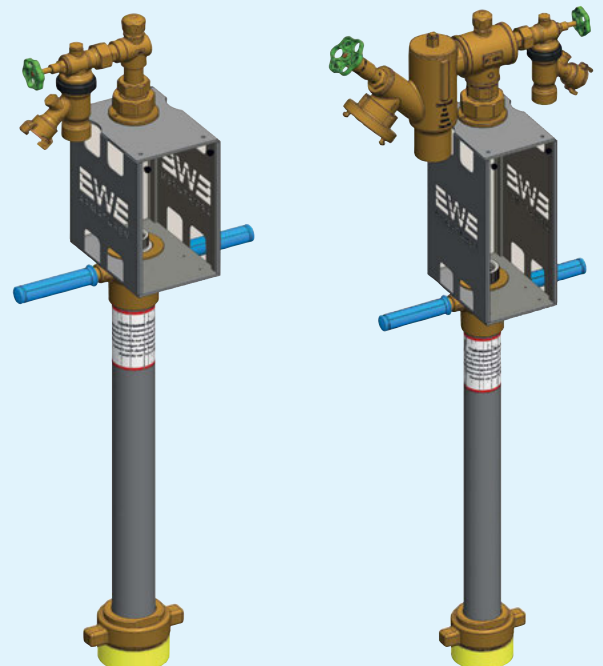


Modular construction principle

Thanks to the practical EWE modular principle, many different versions of the well-known standpipes are also possible for the new version for plastic water meters

Versions Examples:

- Standpipe for plastic water meter 1" x 190 mm, Q3 4, 1 outlet valve BA, with Geka
- Standpipe for plastic water meter 1 1/4" x 260 mm, Q3 10, 1 C outlet BA, 1 outlet valve BA, with Geka
- Standpipe for plastic water meter 2" x 300 mm, Q3 16, 1 C outlet BA



Special and garden standpipes

In addition to supplying sophisticated series products, we are also able to perform complex and specialised services and to offer each of our customers an individual solution. We can easily realise special standpipes that are tailored to your technical needs and installation situations. Garden standpipes also form part of our wide product range. They are suitable for EWE garden hydrants and, with an adaptor, can also be used for DN 80 subsurface hydrants.



Standpipes with stainless steel sampling valve

- Standpipe valve with angular brass C-coupling
- Standpipe upper section with rotating head
- Stainless steel pipe, brass handle, brass knobs with impact-resistant plastic coating
- Stainless steel sampling valve and flaming-off pipe, suitable for flaming off
- Hot-pressed brass screw base, brass slip ring, and rubber gasket
- Without sieve or non-return-flow valve, so suitable only for flushing and sampling purposes



Special standpipes

- Flushing standpipe without sieve and non-return-flow valve with ball shut-off valve, for a high flushing performance
- Standpipe for horizontal water meter
- Tunnel standpipe



Garden standpipes

- For EWE garden hydrants
- With or without water meter
- Stainless steel pipe
- Can be supplied with one or two outlet valves
- With a choice of non-return-flow valve or BA system separator
- With aerator and GEKA coupling
- With adaptor, also suitable for DN 80 subsurface hydrants
- Individual varieties possible



Individual standpipe components

Our standpipe range also includes a variety of separate standpipe components such as standpipe bases, which are suitable for retrofitting or for the implementation of custom solutions. With the transition piece for the intersection between the standpipe water meter connection and the riser water meter, you can also operate the standpipe bases (with stay bolts) with riser water meters.



Standpipe bases

Standpipe base with internal thread

- Hot-pressed brass screw base, brass slip ring, and rubber gasket
- With stainless steel cone filter, held by a stainless steel spring lock washer
- Stainless steel pipe, brass handle, brass knobs with impact-resistant plastic coating



Standpipe base

- Design as above, suitable for standpipe water meter
- With M 10 stay bolts, nuts, and washers
- 70 mm pipe diameter

Transition piece and gland set

- For the transition from the standpipe water meter connection to the riser water meter
- Gland set required for the fixation to the standpipe base
- Gland set for attachment of transition piece, consisting of gland, O-ring, and brass pressure ring



Accessories for standpipe water meters

Standpipe non-return-flow valve

- Connection to standpipe water meter with coupling nut
- With aerator and fixed brass C-coupling
- Standpipe outlet valve
- Connection to standpipe water meter using coupling nut
- DN 20 valve with aerator, non-return-flow valve, and GEKA coupling

Standpipe outlet valve with BA system separator

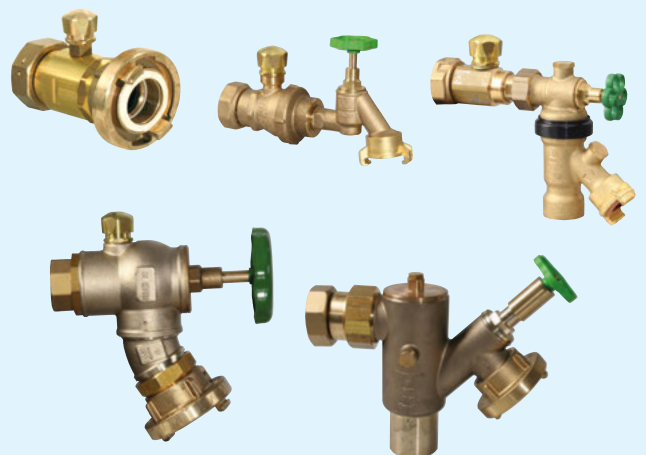
- Connection to standpipe water meter using coupling nut
- DN 20 valve with GEKA coupling

Standpipe valve

- Connection to standpipe water meter using coupling nut
- With aerator, non-return-flow valve, and brass C-coupling

Standpipe valve with BA system separator

- Connection to standpipe water meter using coupling nut
- With brass C-coupling



Safety features for standpipes

EWE non-return-flow valves are used to prevent backflow, back-pressure, and back-suction of non-potable water (up to fluid category 2 in accordance with DIN EN 1717). EWE ball membrane non-return-flow valves for standpipe water meters must be screwed onto the outflow side of the standpipe water meter to meet the requirements of DIN 19648.

BA system separators are designed to protect drinking water from contamination. They protect drinking water systems from backflow, back-pressure, and back-suction of non-potable water (up to fluid category 4 in accordance with DIN EN 1717).



Ball membrane non-return-flow valves for standpipe water meter

- For Q₃ 2.5 or 4, Q₃ 6.3 or 10, Q₃ 16 standpipe water meters
- With 1" to 2 1/2" threaded connection
- Robust brass body with stainless steel plug support and EP membranes



Non-return-flow valves

- For retrofitting or as a substitute for outlet valves without a system separator
- For DN 20 outlet valves
- Function with spring
- Brass body



Spare parts set for DN 20 x 1" / DN 40 x 2" system separators

- For DN 20 x 1" system separator with: Cartridge insert, non-return-flow valve insert, sieve, gaskets
- For DN 40 x 2" system separator with: Cartridge insert, non-return-flow valve insert,
- gaskets
- On-site system separator testing and maintenance with the ServiceMobile, if desired



BA system separators

- DN 20 and DN 40 designs
- Can be used with an input pressure of min. 1.5 bar and max. 10 bar

Advantages:

- Each draw-off point on the standpipe can be separately protected
- Low maintenance requirement since the entire cartridge insert can be replaced without dismantling or damaging the standpipe
- No dead space, no stagnating water
- High throughput
- Safe thanks to the separate aeratable intermediate chamber
- DVGW-certified



DN 20 x 1" system separator

- Suitable for retrofitting to a standpipe
- Dezincing-resistant brass body
- Connection to outlet valve with 1" coupling nut
- Freely rotating hose connection on outlet valve



DN 20 x 3/4" system separator with integrated shut-off

- Like DN 20 x 1" system separator but with integrated shut-off



DN 40 x 2" system separator

- Lead-free silicon brass body
- Hot-pressed brass C-pipe coupling
- With integrated outlet valve
- Connection to standpipe with 2" external thread



Accessories for standpipes

A wide range of accessories such as the EWE fine filter and sealing caps round off the standpipe portfolio. The standpipe test unit for the testing and disinfection of standpipes ensures a sterile, hygienic way of dealing with drinking water standpipes and meets the requirements of DIN 2001-2 ("Drinking water supply from small units and non stationary plants") and DVGW (German Association of Gas and Water Engineers) Worksheet W 408 ("Connection of removal facilities on hydrants in the drinking water distribution systems").



Claw extension/reduction

- Claw extension for DN 50 subsurface hydrants, consisting of DN 50 screw base and DN 80 fitted hydrant claw
- Claw reduction for DN 100 subsurface hydrants, consisting of DN 100 screw base and DN 80 fitted hydrant claw
- Claw reduction for DN 80 subsurface hydrants, consisting of DN 80 screw base and DN 50 fitted hydrant claw



Blind brass C-coupling/ Blind GEKA Plus coupling

- For closing off standpipe upper section valves



Sealing caps

- For protecting standpipe openings from contamination during transport and storage



Throttle plate

- For throttling the flow in a standpipe



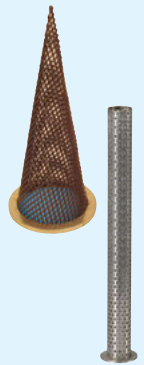
Cones

- To clearly identify standpipes
- The cones can be fitted with a padlock (not included in the scope of delivery) to prevent unauthorised opening.



Stainless steel cone filter

- Spare part, suitable for EWE standpipes



Fine filter

- A4 stainless steel frame with 350 µm A4 stainless steel mesh
- Can be replaced; for installation in place of the cone filter, prevents the silting up of the water meter/safety feature

Fitting disinfectant

- Ready-to-use solution for the easy and direct disinfection of e.g. standpipe bases, hydrant claws, or other drinking water fittings



Disinfectant for standpipe test unit

- Solely for the disinfection of standpipes or similar fittings via the EWE standpipe test unit with metering device



Standpipe test unit

- For testing and disinfecting standpipes
- Consisting of a pan, grating, and claw made from A4 stainless steel with a current-free, flow-controlled metering pump, with shut-off valves for metering and testing work



Accessories for overground hydrants

In many areas such as sports grounds, harbours, and camping sites, drinking water extraction points are realised using overground hydrants. For such applications, EWE offers products that meet the requirements of DIN 2001-2 ("Drinking water supply from small units and non-stationary plants") and DVGW (German Association of Gas and Water Engineers) Worksheet W 408 ("Connection of removal facilities on hydrants in the drinking water distribution systems") through the use of high-quality, robust materials and hygiene/safety features.

Q₃ 4 overground water meters

- Can be directly connected to overground hydrants
- With rotating C-coupling
- With ball membrane non-return-flow valve or BA system separator
- With Q₃ 4 water meter
- With DN 20 outlet valve with GEKA coupling



Q₃ 10 overground water meters

- Can be directly connected to overground hydrants
- With rotating C-coupling
- With ball membrane non-return-flow valve
- With Q₃ 10 water meter
- With free-flow shut-off valve and brass C-couplings



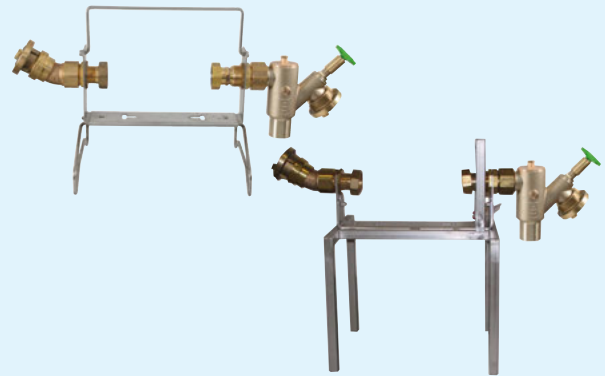
Connection for overground hydrants with BA system separator

- Can be directly connected to overground hydrants
- BA system separator with integrated DN 40 outlet valve
- Connection to overground hydrant with brass rotating C-coupling, with sieve and brass C-coupling for connection of hoses



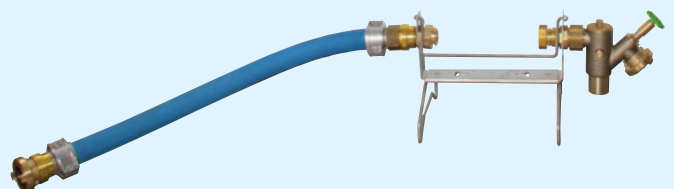
Overground hydrant frame

- For Q₃ 16 water meter
- With 2 C-connections, BA system separator
- Delivery without water meter
- Can be supplied in normal or high version



Drinking water hose line

- Use in conjunction with overground hydrant frame
- 1.00 m, 1.50 m, and 2.00 m versions
- C-coupling connection on both sides
- Rotating part, hose couplings
- Aquapal drinking water hose, 50 x 7.5 mm



Accessories for subsurface hydrants and fairground distributors

The aerator and the transition piece are useful additions to the EWE delivery range for subsurface hydrants. The special tool is used, for example, to secure the closing mechanism for subsurface hydrants and protect them from unauthorised access. The EWE fairground distributors are designed for use at events or on construction sites. They meet the requirements of DIN 2001-2 ("Drinking water supply from small units and non-stationary plants").



Aerator for subsurface hydrants, DN 80

- For mounting in the street cap
- For an operating pressure between 0.2 and 16 bar
- As a tool for the temporary, restricted aeration of pipelines via an existing subsurface hydrant, e.g. after a pipe burst
- Available with brass screw base for DN 80 subsurface hydrant
- With DIN-DVGW aerator, stainless steel sieve, and mounting tool with attached "Hydrant is under pressure" advice sticker
- Additional internal thread enables other applications, e.g. in an installation line



Mounting tool for transition piece and closure

- Special tool for the mounting and disassembly of the transition piece and closure for DN 80 subsurface hydrants
- Also as a replacement for the EWE aerator



Fire service B-FW system separator type EWE

- For connection to existing standpipes or overground hydrants for the extraction of extinguishing water from the pipe network
- For protecting standpipes and overground hydrants from back-pressure, back-suction, and the backflow of extinguishing water into the drinking water network



Transition piece for subsurface hydrants, DN 80

- For transition between DN 80 subsurface hydrant and EWE garden standpipe
- Mounted using mounting tool (not included in the scope of delivery)

Closure for DN 80 subsurface hydrants

- For closing or blocking off DN 80 subsurface hydrants
- Protection against unauthorised use
- Mounted using mounting tool (not included in the scope of delivery)



Fairground distributors

- For connection to overground hydrants and for establishing a sub-distribution
- Designed for use at events or on construction sites
- Equipped with a choice of non-return-flow valve or BA system separator
- Connection via GEKA coupling



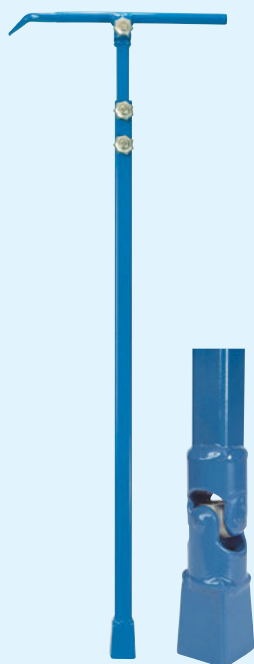
Tools and keys

We deliver tools and keys that are perfectly tailored to our standpipes.

They form an integral part of the standpipe range and make work easier.

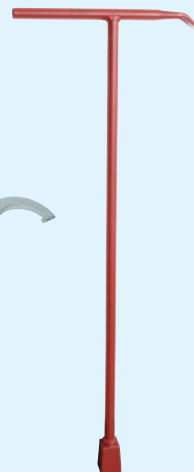
Various key designs

- For sliders up to DN 300 and subsurface hydrants
- 1100 mm long, made from square steel
- Operating handle on one side to raise the street cap lid
- Wrench rod at bottom with square
- Connection between handle and wrench rod can be unscrewed
- Available in the following versions: Standard, infinitely adjustable (1.17 - 2.00 m), infinitely adjustable (1.35 m - 2.20 m), also with universal joint on square



DIN 3223/C T-key

- For sliders up to DN 300 and subsurface hydrants
- Steel, 1100 mm long, painted, for 32 mm outer square



DIN 3223/A T-key

- For overground hydrants
- Made from SGCI, galvanised



Street cap jack

- Steel



Adaptor

- For overground hydrants
- Square for attaching EWE ratchet
- Also suitable for overground hydrants with the old-style round hood and for overground hydrants with a 70 mm A/F hexagon size



Ratchet

- Suitable for EWE keys
- Clockwise and anticlockwise rotation by repositioning the ratchet
- Handle can be unscrewed, an advantage when space is tight



EWE - thoroughly tried and tested! Because we're a team.



Our products are our passion. As a team consisting of both managers and employees, we prove that this isn't just a cliché. Quality and continuity form the basis for trusting teamwork. The dedication and skills of each individual allow us to look to the future with self-assurance. Our success is grounded in reliability and the honesty with which we treat our customers. This has made us into a leading supplier of high-quality fittings for the supply of gas and water and the disposal of waste water. And we're proud of it! We're also a 3rd-generation family company.



Blue Responsibility

Sustainable Water Technology



Production location: Germany

We produce our fittings at our plant in Braunschweig. From design & development through production & quality control to sales & service, all of our processes are realised via one and the same site. This means that we can meet all requirements relating to safety, guidelines, permits, and quality checks at our site and from a single source.

Quality without compromise

DVGW certification and compliance with international guidelines are key when it comes to our fittings. All of our products are subjected to thorough checks and quality controls before being launched on the market. Our quality standards are based on a workforce trained to the highest standards, modern production facilities, and safety and environmental regulations. We use durable, robust materials such as dezincing-resistant brass and stainless steel. This allows us to ensure the quality and sustainability of our products. To protect the environment, we use innovative environmentally friendly materials such as lead-free silicon brass.

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