



...thoroughly tried and tested!

EWE Standpipes



EWE Standpipes

Quality products from Germany

EWE standpipes are the result of our many years of experience in the design and production of standpipes and fittings. EWE standpipes are designed for continuous and very rugged applications on construction sites. The different models are correspondingly tough and stable. The long-life and resilience of the standpipes is ensured by using high quality materials such as stainless steel and brass, which are suitable for use with drinking water. Key criteria in the production of our fittings are certification by the DVGW (the German Technical and Scientific Association for Gas and Water) and compliance with international guidelines.



Performance Profile

Now in our third generation, we are a medium-sized, privately owned family business. Our experience extending over 70 years and our technical know-how have made us a leading supplier of high-quality fittings. Expertise, reliability, commitment and not least, continuity in the management and workforce form the basis of our success. Not only do we supply you with high quality, reliable fittings for operating your mains supply system, we can also supply you with the appropriate accessories. As a company specialising in the manufacture of house connection fittings for water, gas and waste water, we provide complete solutions tailored to meet your requirements.



Made in Germany

All the fittings are manufactured in our Braunschweig factory from design and development to the manufacture and quality assurance right up to sales and service. This enables us to meet both the safety requirements laid down in standards, regulations, approvals and checks, as well as rigorous quality standards. Continuity of production of our fittings is guaranteed because everything comes from one source which ensures reliable service for you in terms of quality, functional reliability and delivery.



Quality without Compromise

The key features of our fittings are their DVGW certification and their compliance with international guidelines. New products are launched on the market only after exhaustive testing. A workforce trained to the highest standards, modern production facilities and compliance with safety and environmental regulations underpin our high quality standards. The outstanding quality and durability of our standpipes is ensured not least by the use of high quality and solid materials such as brass, stainless steel, etc.. We are also making increasing use of innovative, environmentally friendly materials in the manufacture of our fittings, including lead-free silicon brass for example, which contributes to reducing the lead content in drinking water.



Silicon Brass

- is lead-free, thus meeting the requirements of the TrinkwV (German drinking water regulation) 2001 for the reduction of lead content in drinking water from the previous 0.025 mg/litre to the 0.01 mg/litre
- is very dezincification and corrosion-resistant, demonstrates high stability

Detailed information on: www.ewe-armaturen.de



The EWE Range of Standpipes

One system for a wide range of solutions

All EWE standpipes are equipped with safety features and meet the demands for a non-stationary water supply according to DIN 2001-2 „Drinking water supply from 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“. Correctly positioned aerators ensure that the standpipe and hydrant are emptied even when the valve is closed. The standpipes are available in a variety of designs. We can offer a wide range of models thanks to the flexible, modular design of the standpipes. Individual solutions, customised to your technical requirements depending on the intended use of the standpipe, can thus be realised quickly and simply.

Standpipes for Underground Hydrants

- available for DN 80 underground hydrants, but also for DN 50, DN 100 hydrants and the Württemberg pit system
- all models are with rotating heads
- with or without water meter
- the water meter can be easily replaced (screw fastenings used)
- with up to seven outlet valves made of brass
- with a non-return flow valve or BA system separator
- with aerators, GEKA and/or c-couplings
- hot-pressed brass screw base, with brass slip ring and a rubber gasket
- with a cone filter made of stainless steel, held by a stainless steel spring lock washer, alternatively, with a fine-filter
- stainless steel pipe, handle made of brass, brass knobs with an impact-resistant plastic coating
- standpipe upper parts and bases can be supplied separately
- individual lettering possible in order to identify the standpipes
- modular system design allows cost-effective and efficient repair work
- long-term supply of spare parts



ewe Special and Garden Standpipes

Besides supplying well-established series products, we can also provide technically sophisticated and specialised services and a customised solution for each of our customers. We can easily make special-purpose standpipes for your specific technical requirements and installation situations. Our wide range of products also includes garden standpipes. These are suitable for the ewe garden hydrants and (with an adapter) for DN 80 underground hydrants.



Standpipes with Stainless Steel Sampling Valve

- standpipe valve with angular brass c-coupling
- standpipe top part with rotatable head
- stainless steel pipe, handle made of brass, brass knobs with an impact-resistant plastic coating
- stainless steel sampling valve and flue pipe, flame-proof
- hot-pressed brass screw base, with brass slip ring and a rubber gasket, with brass slip ring and a rubber gasket
- without a sieve or non-return flow valve
- thus only suitable for flushing and sampling purposes

Special-Purpose Standpipes

- flushing standpipe, without a sieve or non-return flow valve and with a shut-off fitting, for a high rinsing performance
- standpipe for horizontal water meter
- tunnel standpipe
- sprinkling standpipe

Garden Standpipe

- for ewe garden hydrants
- with or without water meter
- stainless steel pipe
- can be supplied with one or two outlet valves
- alternatively with non-return flow valve or BA system separator
- with aerator and GEKA coupling
- with adapter (see Page 10), it can also be used with DN 80 underground hydrants
- individual varieties possible



EWE Standpipe Individual Components

In addition, our standpipe range includes a variety of separate standpipe items such as standpipe bases, which are suitable for retrofitting or for implementing individual solutions. With the transition piece for the transition from the standpipe water meter connection to the vertical pipe water meter, you can also operate the standpipe bases (with stay bolts) with vertical pipe water meters.

Standpipe Bases

Standpipe base with internal thread

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

Standpipe base

- version as described above, suitable for standpipe water meters
- with M 10 stay bolts, nuts and washers
- pipe diameter 70 mm

Transition piece and EWE gland set

- for the transition from standpipe water meter connection to a vertical tube water meter
- the EWE gland set is needed for fastening to the standpipe base
- EWE gland set for attaching the transition piece
- consisting of packing gland, O-ring and brass pressure ring

Accessories for Standpipe Water Meter

Standpipe non-return flow valve

- connection to standpipe water meter with union nut
- with aerator and brass fixed c-coupling

Standpipe outlet valve

- connection to standpipe water meter with union 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 with union nut
- DN 20 valve with GEKA coupling

Standpipe valve

- connection to standpipe water meter with union nut
- with aerator, non-return flow valve and brass C-coupling

Standpipe valve, with BA system separator

- connection to standpipe water meter with union nut
- with brass c-coupling



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EWE Safety Features for Standpipes Proven and safe

EWE non-return flow valves are used to prevent backflow, back pressure or the siphoning of non-potable water (up to fluid category 2 according to DIN EN 1717). EWE conical membrane non-return valves for standpipe water meters must be screwed onto the outlet side of the standpipe water meter to meet the requirements of DIN 19648. This way, contamination of the meter from the outlet side is prevented.



Conical Membrane Non-Return Flow Valves for Standpipe Water Meters

- for Qn 2.5 - Qn 15 standpipe water meters
- with G 1" to G 2 1/2" screw connection
- robust brass housing with cone support made of stainless steel and EP membranes

Non-Return Flow Valves

- for retrofitting or as a substitute for outlet valves without system separator
- for DN 20 outlet valves
- function with spring
- brass housing



EWE Safety Features for Standpipes Proven and safe

BA system separators are designed to protect the drinking water from contamination. They are used to protect drinking water systems from backflow, back pressure or the siphoning of non-potable water (up to fluid category 4 according to DIN EN 1717). Among other things, system separators are used to protect standpipes so that water can be drawn off on a temporary basis during construction work, emergency supplies or at events like trade fairs, festivals, etc.

BA System Separators

- DN 20 and DN 40 versions
- G 1" (DN 20) and G 2" (DN 40) connection threads

Advantages:

- quick and easy installation
- each draw-off point on the standpipe can be separately protected
- low maintenance, as the entire cartridge insert can be replaced without taking it apart or damage to the standpipe
- no dead-air space or stagnant water
- low pressure loss and high throughput
- safe - thanks to the separate, aeratable intermediate chamber
- certified by the DVGW (German Technical and Scientific Association for Gas and Water)

DN 20 x G 1" System Separator

- suitable for retrofitting to a standpipe
- DR-brass housing
- connection to outlet valve with 1" union nut
- the freely rotating hose connection on the outlet valve
- supplied without lead clamp and GEKA coupling

DN 20 x G 3/4" System separator, with Integrated Shutoff

- as in system separator DN 20 x G1" , with an additional integrated outlet valve

DN 40 x G 2" System Separator

- lead-free silicon brass housing
- hot-pressed brass C-pipe coupling
- with integrated outlet valve
- connection to standpipe with 2" external thread

Spare Parts Set for DN 20 x G 1" / DN 40 x G 2" System Separator

- for DN 20 x G 1" system separator cartridge insert, non-return flow valve insert, sieve, gaskets
- for DN 40 x G 2" system separator cartridge insert, non-return flow valve insert, gaskets



EWE Accessories for Standpipes

Wide range of accessories such as the EWE fine filter, which helps prevent silting of the water meter and the safety feature, or the EWE caps to protect the standpipe openings round off the standpipe range. The standpipe test unit for testing and disinfecting of standpipes provides a sterile, hygienic way of dealing with drinking water standpipes, and it meets the requirements of DIN 2001-2 „Drinking water supply from small units and non stationary plants“.



Accessories

Claw extension / claw reduction

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

Stainless steel cone filter

- as a spare part, suitable for EWE standpipes

Niro cone classifier

- used in the standpipe base instead of the cone filter, to prevent damage to the water meter from excessive pressure or by stones in the pipeline system

Fine filter

- carrier made of A4 (316L) stainless steel with 350 µm A4 (316L) stainless steel fabric
- can be replaced and installed instead of the cone filter, to prevent the water meter or safety feature from silting

EWE caps

- to protect the standpipe openings against dirt accumulating during transit and storage

EWE fitting disinfectant

- ready-made solution for simple, direct, disinfection of the standpipe base or the hydrant claw, for instance. Also suitable for other drinking water fittings

Bollard

- for clearly visible identification of the standpipe
- to prevent unauthorised opening, the bollard can be equipped with a padlock (not included in the scope of supply)

EWE standpipe test unit

- for testing and disinfecting standpipes
- consisting of pan, grating and claw made of A4 (316L) stainless steel, and with a current-free, flow controlled metering pump, with valves for the disinfection or testing operation

EWE disinfectant for standpipe test unit

- solely for disinfecting standpipes or similar fittings via the EWE standpipe test unit with metering device

Detailed information on: www.ewe-armaturen.de



EWE Accessories for Overground Hydrants

In many areas, for example sports grounds, harbours, camp sites, or weekly markets, drinking water is supplied by overground hydrants. For such applications, EWE offers products that meet the requirements of DIN 2001-2 "Drinking water supply from small units and mobile plants" in the categories of materials, hygiene and safety equipment requirements by using high quality, robust materials.

C to Geka Reducer

- made of brass

Qn 2.5 Overground Water Meter

- can be directly connected to the overground hydrants
- with rotating c-coupling
- with conical membrane non-return flow valve or with BA system separator
- Qn 2.5 water meter
- with DN 20 outlet valve with a GEKA coupling

Qn 6 Overground Water Meter

- can be directly connected to the overground hydrants
- with rotating c-coupling
- with conical membrane non-return flow valve
- with Qn 6 water meter
- with free-flow shut-off valve and brass c-couplings

Overground Hydrant Connection, with BA System Separator

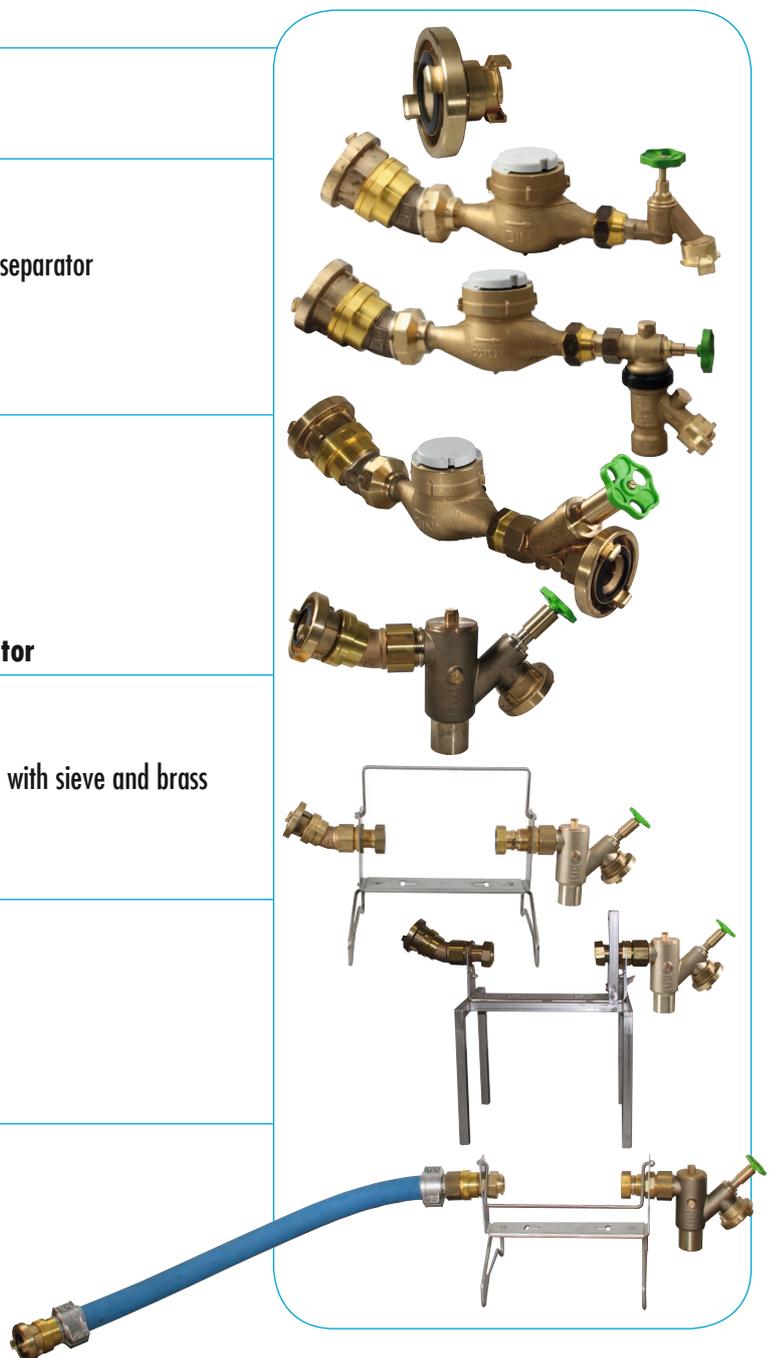
- can be directly connected to the overground hydrants
- BA system separator with integrated DN 40 outlet valve
- connection to overground hydrant with brass rotating C-coupling, with sieve and brass c-coupling for connecting hoses

Overground Hydrant Frame

- for Qn 10 water meters
- with 2 c-connections and BA system separator
- supplied without water Meter
- available in normal and in high version

Drinking water hose line

- to be used in connection with overground hydrant frame
- available in 1,00 m, 1,50 m and 2,00 m
- connections on both sides c-couplings
- turned part, hose coupling
- Aquapal-drinking water hose 50 x 7,5 mm



EWE Accessories for Underground Hydrants and Fairground Distribution

The aerator and the transition piece are useful additions to the EWE range for underground hydrants and provide a solution for many situations. The special tool is used for example for safeguarding the closures for underground hydrants and so preventing unauthorised access. The EWE fairground distributors are designed for use at events or construction sites and meet the requirements of DIN 2001-2 "Drinking water supply from mobile drinking water plants".



Aerator for DN 80 Underground Hydrants

- for assembly in the surface box
- for an operating pressure of 0.2 - 16 bar
- as a tool for the temporarily limited aeration of pipelines via an existing underground hydrant, for example, following a pipe burst
- available with brass screw base for DN 80 underground hydrants
- with DIN-DVGW aerator, stainless steel sieve and mounting tool with "hydrant is under pressure" advice sticker
- mounting tool remains in the surface box
- surface box lid can be closed
- additional internal thread permits other applications, e.g. on an installation line

Transition Piece for DN 80 Underground Hydrants

- for transition from underground hydrant DN 80 to EWE garden standpipe
- assembly by means of an assembly tool (not included in the scope of supply)

Closure for DN 80 Underground Hydrants

- for closing or blocking DN 80 underground hydrants
- safeguards against unauthorised use
- assembly by means of an assembly tool (not included in the scope of supply)

Assembly Tool for Transition Piece and Closure

- special tool for assembly and disassembly of the transition piece and the closure for the DN 80 underground hydrant
- as a replacement for the EWE aerator

Fairground Distributor

- for connecting overground hydrants, and for establishing a sub-distribution
- designed for use at events or on construction sites
- alternatively, fitted with a non-return flow valve or BA system separator
- connection via a GEKA coupling

Fire service conical diaphragm back-siphonage preventer

- to safeguard standpipes and over-ground hydrants
- to separate the supply and extinguishing line
- mounted directly to the hydrant or standpipe outlet or to the tank filling line



Tools and keys

Always have the right tool at hand!

We deliver perfectly matched tools and keys for our standpipes. They form an integral part of the standpipe range and so make work easier.

DIN 3223/C T-Key

- for valves up to DN 300 and underground hydrants
- made of steel, 1100 mm long, painted, for 32 mm square end

DIN 3223/A T-Key

- for overground hydrants
- made of nodular (ductile) cast iron, galvanised

Surface Box Jack

- made of steel

Different Designs of Keys

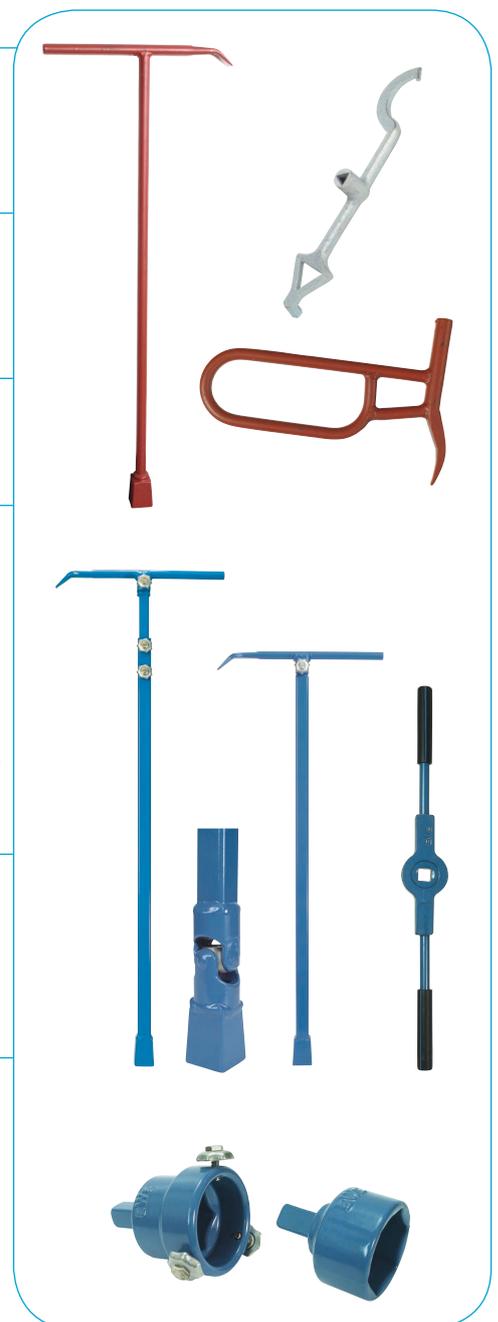
- for sliders up to DN 300 and underground hydrants
- 1100 mm long, made of square steel
- operating handle on one side to raise the surface box lid
- wrench rod at bottom with square
- connection between handle and wrench rod can be unscrewed
- available in the following versions: Standard version, infinitely adjustable between 1.17 and 2.00 m, infinitely adjustable between 1.35 - 2.20 m, with universal joint at the square

Ratchet

- suitable for EWE keys
- clockwise and anticlockwise rotation by repositioning the ratchet
- handle can be unscrewed; an advantage when space is tight

Adapter

- for overground hydrants
- with a square into which the EWE ratchet fits
- also suitable for overground hydrants with the old-style round hood, as well as for overground hydrants with 70 mm hexagon size





WILHELM EWE GmbH & Co. KG

Volkmaroder Straße 19

38104 Braunschweig

Tel.: +49 531 37005-0

Fax: +49 531 37005-55

E-Mail: info@ewe-armaturen.de

www.ewe-armaturen.de