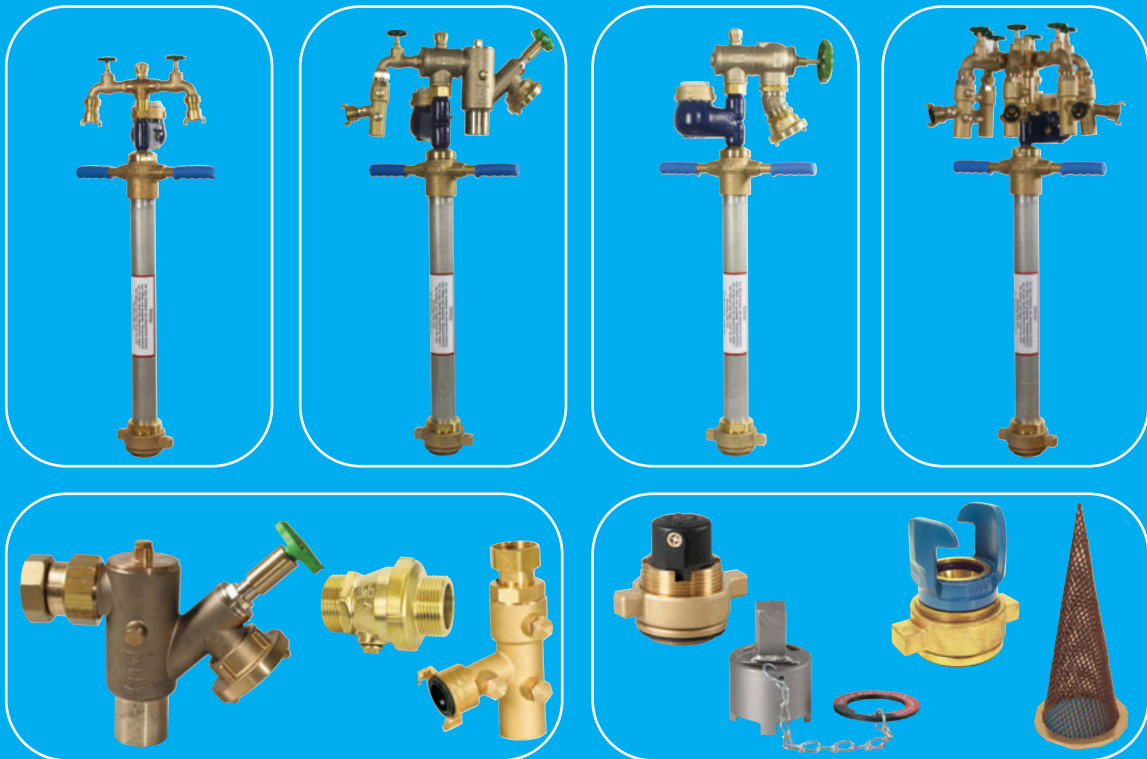




...thoroughly tried and tested!

# 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.



### Our range of services

We are a medium-sized family business, now in our third generation. Over 60 years of experience and technical know-how have made us a leading provider of high quality fittings. Our expertise, reliability, commitment, and - last but not least - continuity of management and staff form the basis of our success. We not only provide the high quality and reliable fittings needed for your supply network's operations, but also the appropriate accessories. As a company specialising in the production of house service connection fittings for water, gas and sewage, we offer you customisable solutions that meet your every need.



### Made in Germany

All the fittings are manufactured at our factory in Braunschweig (Brunswick). Our services range from design and development through to manufacturing and quality control, as well as sales and service. This means that we meet fulfil the needs of safety standards, regulations, approvals, inspections, and demanding quality requirements. The knowledge that everything comes from one source assures safety in the production of our fittings, and also reliability for you in terms of quality, dependability and supply.



### Quality without compromise

Certification by the DVGW (German Technical and Scientific Association for Gas and Water) and compliance with international guidelines are important factors in the manufacture of our fittings. New products are only launched in the marketplace after extensive testing. First class trained employees, modern production facilities and safety and environmental requirements underline our high quality standards. The outstanding quality and durability of our standpipes is ensured not least by the use of high quality and strong materials such as brass in DR-quality, stainless steel and so on. And innovative and environmentally friendly materials such as lead-free silicon-brass, which helps reduce the lead content of drinking water, are also being used increasingly in the production of our fittings.



## 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. Correctly positioned aerators ensure that the standpipe and hydrant are emptied even when the valve is closed, so preventing damage by frost. The standpipes are available in a variety of versions. We can offer a wide range of models thanks to the flexible, modular design of the standpipes. Individual solutions can so be provided quickly and easily in line with your technical requirements and tailored to the intended use of the standpipe.

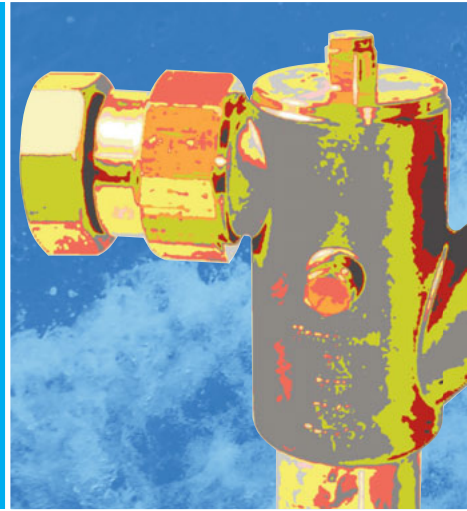
### Standpipes for underground hydrants

- 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 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 (heads) 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 a well-established product series, we can also provide technically sophisticated and specialised solutions. 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 valve
- thus only suitable for flushing and sampling purposes

### Special-purpose standpipes

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

## 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 standpipe water to meter connector on vertical tube water meter, you can operate standpipe bases (with stay bolts) with vertical tube 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 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 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 valve and brass C-coupling

#### Standpipe valve, with BA system separator

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



## EWE safety features for standpipes

Proven and safe

EWE non-return 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 diaphragm 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 diaphragm non-return 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 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
- they can be used for a supply pressure of min. 1.5 bar to max. 10 bar

#### Advantages:

- quick and easy installation
- each draw-off point on the standpipe can be separately protected
- available on request with lead clamp (with the DN 20 version) to prevent tampering
- compact construction
- 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 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 valve insert, sieve, gaskets
- for DN 40 x G 2" system separator cartridge insert, non-return 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

#### Orifice plate

- 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 protection 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



## 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 non stationary 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 diaphragm non-return valve
- Qn 2.5 water meter
- Qn 2.5 water meter

### Qn 2.5 overground water meter

- can be directly connected to the overground hydrants
- with rotating C coupling
- with BA system separator
- with 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 diaphragm non-return 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



## 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 in 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 small units and non-stationary 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 valve or BA system separator
- connection via a GEKA coupling



## 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 valves 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

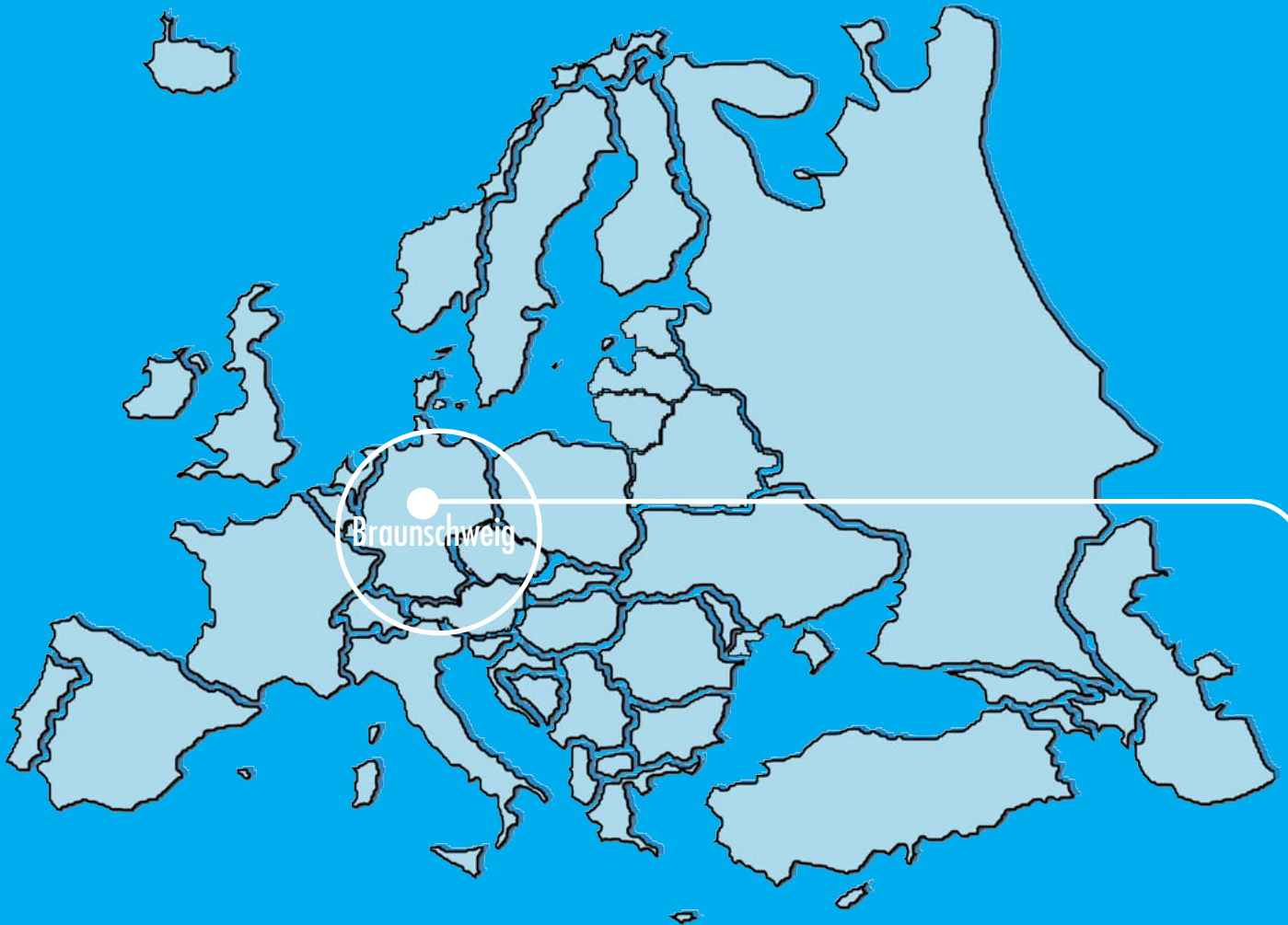
### Ratchet

- 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

D-38104 Braunschweig

Tel.: +49 (0)5 31 37 00 50

Fax: +49 (0)5 31 37 00 555

E-Mail: [info@ewe-armaturen.de](mailto:info@ewe-armaturen.de)

[www.ewe-armaturen.de](http://www.ewe-armaturen.de)