



...thoroughly tried and tested!

Performance Profile

Fittings for Water, Gas and Waste Water



The company



A Long-Established, Forward-Thinking Company

Now in our third generation, we are a medium-sized, privately owned family business. Our experience extending over 70 years and technical know-how, have made us a leading supplier of high-quality fittings for the supply of water, gas and waste water disposal. Expertise, reliability, commitment and not least, continuity in the management and workforce form the basis of our success. In order to meet future requirements, we are continuously developing EWE products to meet the needs of our customers, as well as converting new ideas into EWE products. As a responsible company, we strive to make our contribution to climate and environmental protection. It goes without saying that our production methods are environmentally friendly and designed to conserve natural resources, with ecological materials being used throughout.



Performance Profile

Our performance profile ranges from design and development, through the manufacture and quality assurance of our products, up to sales and service. Our fittings meet the safety requirements governing water and gas supply; comply with all relevant standards and regulations, approvals and checks, as well as meeting high quality standards. Thanks to our skilled workforce and the latest CNC controlled production plants, we are able to carry out complex and specialised services, providing customised solutions for all our customers, as well as supplying highly advanced series products. As a DVGW* certified company (DIN EN ISO 9001), we subject our products to rigorous internal and external checks in order to maintain high quality standards. The fittings are checked thoroughly before delivery. Expert technical advice and delivery on schedule form the basis of the successful and long-term partnerships we have built up with our customers.



Product Range

As well as supplying high quality, reliable fittings for operating your mains supply system, we can also supply you with the accessories to go with them. As a company specialising in the manufacture of house connection fittings for water, gas and waste water, we provide comprehensive solutions tailored to meet your requirements.



Materials

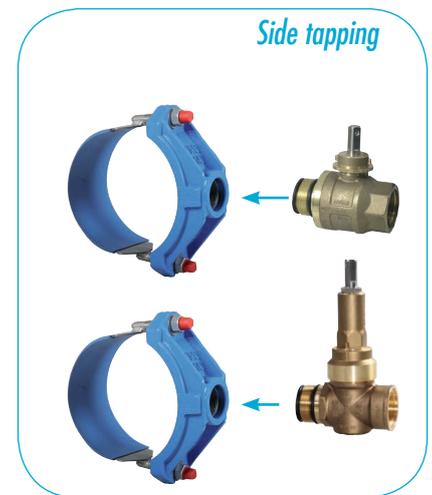
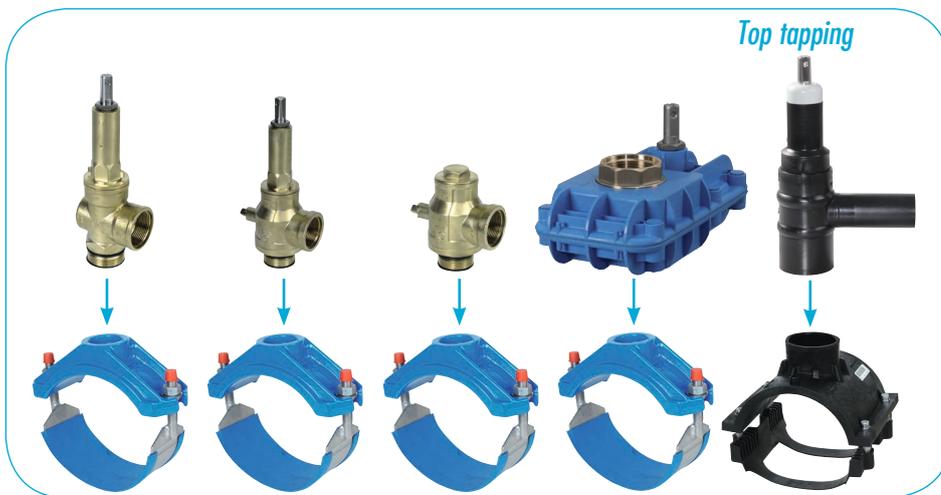
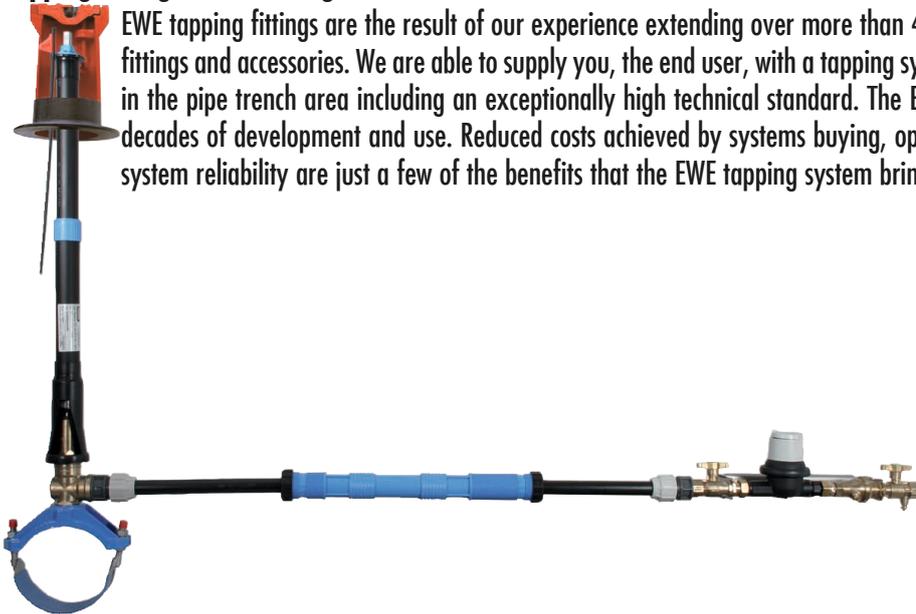
The use of high-quality, robust materials such as dezincification-resistant brass, stainless steel, etc plays a key role in ensuring the superb quality and durability of our products. In addition, we are making increasing use of innovative, environmentally friendly materials, such as silicon brass, in the manufacture of our fittings. Silicon brass makes a substantial contribution to reducing the lead content in drinking water as it contains no lead at all, unlike the standard brass material in use.

Detailed information on: www.ewe-armaturen.de

EWE Tapping system for Subsurface Installation

Tapping fittings for water, gas and waste water

EWE tapping fittings are the result of our experience extending over more than 40 years in the design and manufacture of tapping fittings and accessories. We are able to supply you, the end user, with a tapping system offering outstanding solutions to all problems in the pipe trench area including an exceptionally high technical standard. The EWE tapping system was perfected by experts over decades of development and use. Reduced costs achieved by systems buying, optimum accuracy of fit of the components and high system reliability are just a few of the benefits that the EWE tapping system brings you.



Model examples: tapping fittings for cast aluminium-zinc pipes and steel pipes/
Multi-pressure-tapping valve for PE pipes



The EWE tapping system provides an extensive range of installation and connection possibilities for all pipe materials and designs. Thanks to the flexible modular construction system used, it is possible to offer a wide product range, enabling us to provide quick and simple solutions tailored to your specific technical needs. The products, which are perfectly coordinated with each other, are easy to combine together and are delivered already assembled.

Connection pieces and clamps for PVC, polyethylene pipe and polyethylene welding systems
Detailed information on: www.ewe-armaturen.de

EWE Tapping Fittings

EWE tapping fittings are available for all types and sizes of pipes and for tapplings under pressure for gas, water and waste water. A very important feature of our fittings is their DVGW certification. Simple, user-friendly tapping processes and standardised, purpose-designed and self-sealing tools are features our customers have come to take for granted over the years. The use of high-quality materials, such as lead-free silicon brass, ensures that the fittings are extremely durable and fully protected from corrosion damage. The double O-ring seal between the connection piece and tapping valve enables the tapping valve to rotate through 45° on both sides.



Valve Tapping Fittings

- for top tapping, with operating shut-off, for external auxiliary shut-off
- for all types of pipes
- the housing and upper section are made of lead-free silicon brass

Ball Valve Tapping Fittings

- for top tapping, with operating shut-off, with integrated auxiliary shut-off
- for all types of pipes
- the housing and upper section are made of lead-free silicon brass

Ball Tapping Fittings

- for top tapping, without operating shut-off, with integrated auxiliary shut-off
- for all types of pipes
- the housing and upper section are made of lead-free silicon brass

Ball Valve and Piston Valve Tapping Fittings

- for side tapping, with operating and auxiliary shut-off
- for all types of pipes
- the housing and upper section are made of lead-free silicon brass

Multi-Pressure-Tapping Valve (DAV)

- for top tapping with operating shut-off
- only for PE pipes, with integrated thread-tapper of A4-duplex stainless steel
- fitting complete with compact PE 100 sheathing, housing inside is made of lead-free silicon brass

Kera Tapping Fitting

- ceramic disc fitting for upper tapping
- with operating shut-off and auxiliary shut-off by four ceramic discs
- fibreglass-reinforced composite plastic housing
- upper section with internal thread for connecting an angle fitting
- stainless steel ceramic disc guide and control spindle guides

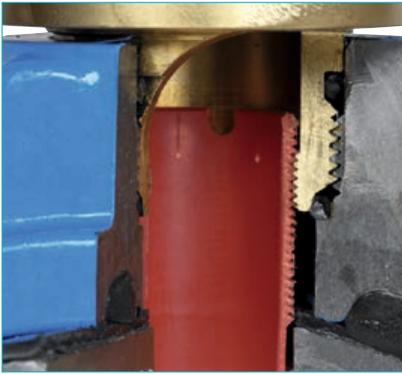
Waste Water Tapping Fittings

- for side tapping, with operating and auxiliary shut-off
- for waste water pressure pipes; for PVC, polyethylene and cast aluminium-zinc and steel pipes
- the housing is made of A4 stainless steel



Detailed information on: www.ewe-armaturen.de

EWE Sleeve Systems



EWE sleeve systems for use with the tapping fittings can be supplied if required. All the sleeves extend the axis of the tapping fitting into the drill hole, thereby preventing rotation or displacement of the fitting on the main pipe. Where metal pipe lines are used, these sleeve systems also protect the drill hole from incrustation. After the completion of tapping under pressure, the sleeves are fitted into the tapping fitting in a second; a very simple assembly operation using a sleeve fitting device.

Drill-Hole Sleeve

- for EWE tapping fittings
- tried and tested for more than 28 years
- plastic construction, keeps the drill hole free
- prevents reduction of the drill hole diameter caused by incrustation
- easy assembly under pressure with the associated drill hole sleeve fitting device



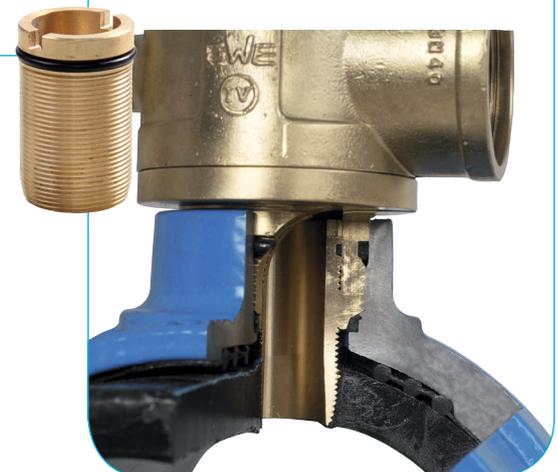
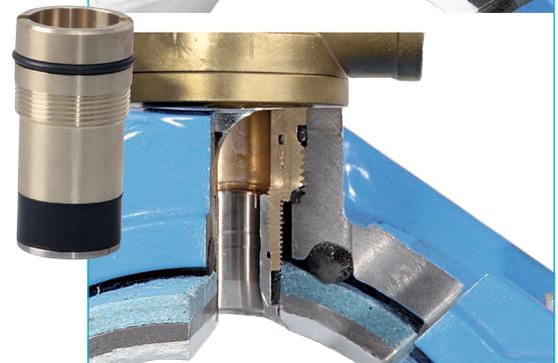
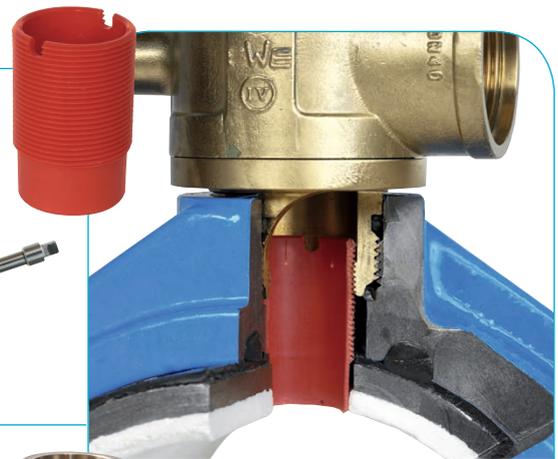
Drill-Hole Sealing Sleeve

- for EWE tapping fittings
- tried and tested for 22 years
- seals directly in the drill hole against the pipe wall, particularly suitable for cement-mortar-coated pipes and also suitable for all other pipes
- prevents reduction of the drill hole diameter caused by incrustation
- eliminates the need for the time-consuming removal of the outer layer required with multilayer pipes and for subsequent insulation
- prevents destruction of the corrosion protection
- easy assembly under pressure with the associated drill hole sleeve fitting device



Polyethylene Sleeve

- for EWE tapping fittings
- tried and tested for 25 years
- this sleeve enables threaded tapping fittings used for PVC pipes to also be used for polyethylene pipes
- the sleeve cuts into the drill hole of the polyethylene pipe with its tapered thread
- prevents the "flowing away" of the polyethylene pipe from the seal
- easy assembly under pressure with the associated drill hole sleeve fitting device
- no outlay for welding is required and installation can be carried out regardless of weather conditions



EWE Ground shut-off fittings

EWE ground shut-off fittings are designed for installation on underground pipelines at a frost-free depth for water or gas distribution. The fittings are made of high-quality, corrosion-resistant materials, such as dezincification-resistant brass and stainless steel. The EWE ground shut-off fittings are of a robust, thick-walled construction, and, depending on the model, can be used for frost-proof operation.



Garden Hydrant

- for installation in gardens and parks, as well as at camp sites
- for flushing of end pipe trains
- for connecting EWE garden standpipes
- self-emptying and therefore frost-proof

Garden Standpipe

- for EWE garden hydrants
- can be supplied with or without a water meter
- available with one or two outlet valves
- can be supplied with non-return flow valves or system separator if required

Special Fitting for DB [German Railways] Filling Hydrant

- special fitting developed for German Railways
- filling hydrant for filling DB wagons
- self-emptying and therefore frost-proof
- also can be used for the filling of mobile facilities, e.g. in harbors

Piston Valve and Ball-Valve Shut-off Fittings

- distance thread gate valve with different connection possibilities
- gate valve and tapping piston valve with threaded connections
- housing and upper section are made of lead-free silicon brass

PE Housing Connection for Water

- with angle valve or piston valve
- specifications can be combined in a variety of ways
- for PE pipes 32 to 63 mm
- PE T piece and screwed connection made of polypropylene

Blow-out Valves for Gas

- for the controlled venting of both natural gas and air in the gas distribution network and for measurement of the odorant

EWE Installation Sets



EWE installation sets have been designed for subsurface installations to operate the tapping fittings and ground shut-off fittings. Their key advantages include accuracy of fit, impact resistance and resistance to rotting. They offer optimum flexibility because they are infinitely variable.

Installation Set, Non-Adjustable Version

- traditional installation set for operating underground fittings
- enamelled steel wrench rod, plastic sleeve tube
- various pipe cover depths available
- sealing washer to prevent the cavity from silting up from below

Adjustable Telescopic Installation Set

- optimum flexibility because it is steplessly adjustable
- hot-dip galvanised or stainless steel wrench rod
- complete unit of wrench rod, sleeve tube, sealing washer and grooved pin

Telescopic Installation Kit

- as for telescopic installation set
- sleeve tube and wrench rod can be quickly and easily extended
- all pipe cover depths can be realised

Wrench rod extension

- suitable for EWE installation sets
- eliminates the need for earthwork, welding or drilling

Wall Sleeves

When professionally installed, EWE wall sleeves provide reliable sealing between the domestic supply line and sheath tube. The wall sleeves are made of impact-resistant plastic and precision-fitting seals. The wall sleeves have been designed with the needs of the installer in mind and can be used in many ways for the domestic water supply.

Rolling Ring Wall Sleeve with Lining Tube and Rolling Rings

- traditional water pipe-wall sleeve
- sealing provided by two rolling rings
- reliable sealing even where there is ground settlement

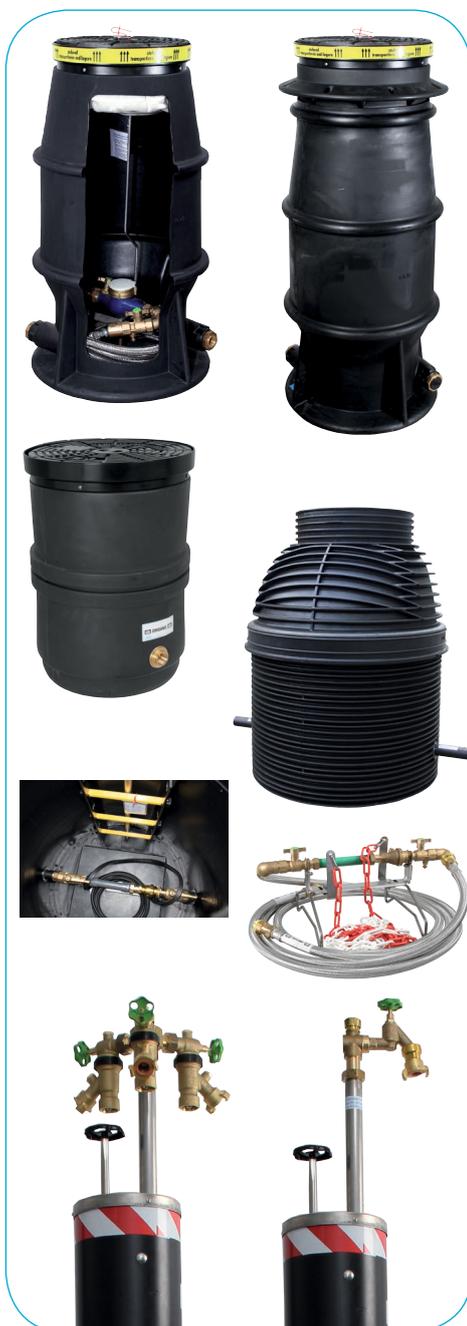
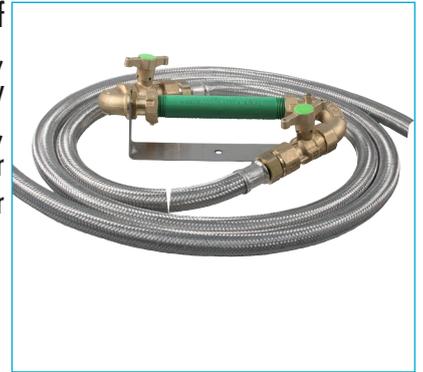
Wall Sleeve System

- the flexible modular construction system we use makes this system suitable for both traditional installation in brickwork and for casting techniques
- individual lengths of wall sleeves can be extended by flexible hoses fitted to the ends



EWE Water Meter Pits

EWE water meter pits are designed for installation in pipe trenches. They can be used for a variety of purposes, e.g. as domestic supply connections, as connections for building sites, in parks or allotments, on camping sites or in cemeteries. The compact dimensions of the water meter pit make it very easy to install in pipe trenches without the need of extensive earthwork. It is impervious to surface water, hygienically clean and permits frost-free operation of both the EWE water meter system and the water meter itself. Access to the EWE water meter pit is not required, nor is it possible. The EWE water meter system is easy to pull out: Installing and dismantling can also be easily done.



Water Meter Pit

- for different versions of water meters Qn 2.5 or Qn 6
- pipe cover depth 1 m - 1.75 m
- body made of watertight PE, stainless steel handle, lockable cast iron cover with seal
- accessibility of pit tested in classes A 15 and B 125 (in connection with EWE pit rim) according to DIN EN 124

Telescopic Water Meter Pit

- specifications as for the EWE water meter pit
- the pit is, however, telescopic, so the overall depth can be individually and infinitely varied over a total range of 50 cm on site for a precise pipe cover depth
- for different versions of water meters Qn 2.5 or Qn 6

Garden Water Meter Pit

- smaller dimensions than the EWE water meter pit, for pipes with a smaller pipe cover depth
- permits a reliable operation of the EWE water meter system and water meter
- not frost-proof

Special Pit d 1000 mm

- accessible pit made of plastic (PE-HD)
- largest inner diameter 1000 mm
- with built-in ladder made of fibreglass-reinforced HDPE and stainless steel access aid
- additional fittings can be added to suit individual requirements, e.g., with water meter system Qn 10 or with several water meter systems

Pit Set

- for the installation of water meters in existing pits
- available in various specifications
- access to the pit is no longer necessary after installation

Pit Hydrant

- for taking water directly at the EWE water meter pit
- self-emptying and therefore frost-proof
- with one to three outlet valves
- sheath tube for all pipe cover depths of the pit projecting 50 cm above the pit cover

EWE Water Meter Systems



EWE water meter systems are the result of our continuous development of the design and production of fittings and accessories. As the pioneer in this field, we have been producing and supplying high-quality water meter systems for over five decades. The water meter systems are available in different specifications in all dimensions for all currently available water meters. The EWE water meter systems are fitted with DVGW certified ball shut-off fittings, slanted-seat valves, combined slanted-seat non-return flow valves or conical membrane non-return valves. Adjustable wall clearance is possible thanks to the adjustable supporting arms. The modular construction system in use enables us to provide a wide range of models, providing quick and simple solutions tailored to meet your requirements. A comprehensive range of accessories rounds off our range of water meter systems.

Water Meter Systems

- the water meter systems are pre-assembled, with points requiring sealing reduced to a minimum
- in different variants:
 - **with ball shut-off fittings:** dead space-free, full, smooth travel
 - **with slanted-seat valve:** drive is untouched by the medium, and is therefore dead space-free and operates smoothly
 - **with combined slanted-seat non-return flow valves:** drive is untouched by the medium, and is therefore dead space-free and operates smoothly, teflonised tappet reduces the risk of deposits
 - **with conical membrane non-return flow valves:** membrane-controlled non-return flow valves (see below)
- a comprehensive range of sizes for water meters Qn 1.5 up to Qn 15 is available
- brackets available in stainless steel, cast iron or hot-dip galvanised and blue coated, with adjustable supporting arms for adjustable wall clearance
- the modular construction system provides individual solutions

Conical Membrane Non-Return Flow Valves

- for drinking water
- simple, easy to maintain, springless safety fitting in different shapes of housing
- membrane-controlled
- operates with high flow rate and little pressure loss wherever installed
- especially robust and durable thanks to the use of high-quality materials

Distributor system

- the plug-in system enables drinking water distribution systems to be set up quickly and efficiently
- the modular construction system enables all required layouts and meter connections to be assembled without specific tools, using straightforward methods of construction



EWE Standpipes

EWE standpipes have been designed for continuous, heavy-duty use on construction sites, and these requirements are reflected in the robust and stable construction of the diverse models. High-quality materials suitable for conveying drinking water, such as stainless steel and brass, ensure the long service life and durability of the standpipes. All EWE standpipes are fitted with safety devices and comply with the requirements for the supply of drinking water from mobile plants. Correctly positioned aerators ensure the standpipe and hydrant are emptied even when the valve is shut off. The standpipes are available in various designs which are adaptable to your individual needs, depending on the intended use.



Standpipes

- are available for underground hydrants DN 80, and also for underground hydrants DN 50, DN 100 and the Württembergian manhole system
- can be fitted if required with a non-return flow valve or BA system separator
- can be supplied with or without a water meter
- standpipe upper sections (heads) and lower sections can also be supplied as individual components

Accessories for Aboveground and Underground Hydrants

our range of accessories for aboveground and underground hydrants includes in is not limited to:

- water meters for aboveground hydrants can be directly connected to the aboveground hydrants
- vents for venting the pipelines for a limited period via an underground hydrant e.g. after a burst pipe

Accessories for Standpipes

our extensive range of accessories for standpipes includes:

- system separators to retrofit for protecting drinking water plants from back flow
- fine filters to protect the standpipes and water meters from impurities and pollution
- cones to provide clearly visible protection for the standpipe

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

Fairground Distributor

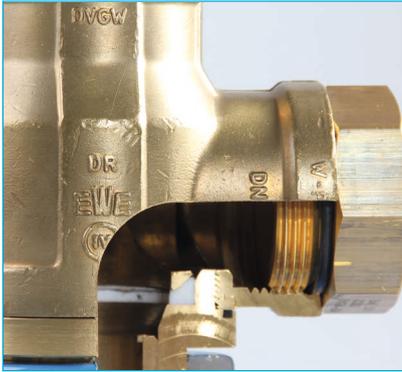
- for connecting aboveground hydrants as well as setting up a sub-distribution system
- designed for use at events or on construction sites
- can be fitted if required with a non-return flow valve or BA system separator
- connection via a GEKA coupling

Testing Installation for Standpipes

- for testing and flushing of standpipes with desinfectant
- consisting of tray, grid and pawl - made of made of A4 stainless steel, with electroless, through flow operated metering pump, and shut-off valves for the process with desinfectant



EWE Connection Fittings



EWE connection fittings enable a system-compatible and simple transition from EWE fittings to the pipeline. The connection fittings are matched to the EWE O-ring system and enable installation to be carried out without using hemp tape or thread sealing tape.

PE-Screwed Connections

- for drinking water
- clamping connector for connecting to polyethylene pipes
- made of lead-free silicon brass or polypropylene
- rotating brass angle for flexible use

PE-Welded Connections

- for drinking water and gas
- for all makes of welded sleeves
- made of lead-free silicon brass

Angle Welded Sleeve

- e.g. as accessory for the Kera tapping fitting



Tools and Fittings and Welded Sleeve



A comprehensive range of EWE tools covering all your requirements for the simple operation, installation and maintenance of EWE fittings, provides a useful supplement to our range of products.

Tapping Tools for EWE Tapping Fittings

- integrated component of the EWE tapping system for tapping all types of pipes
- simplifies tapping under pressure without additional special tools
- direct connection to the EWE tapping fittings for dry tapping without gas leakage

Wrenches, Adapters etc.

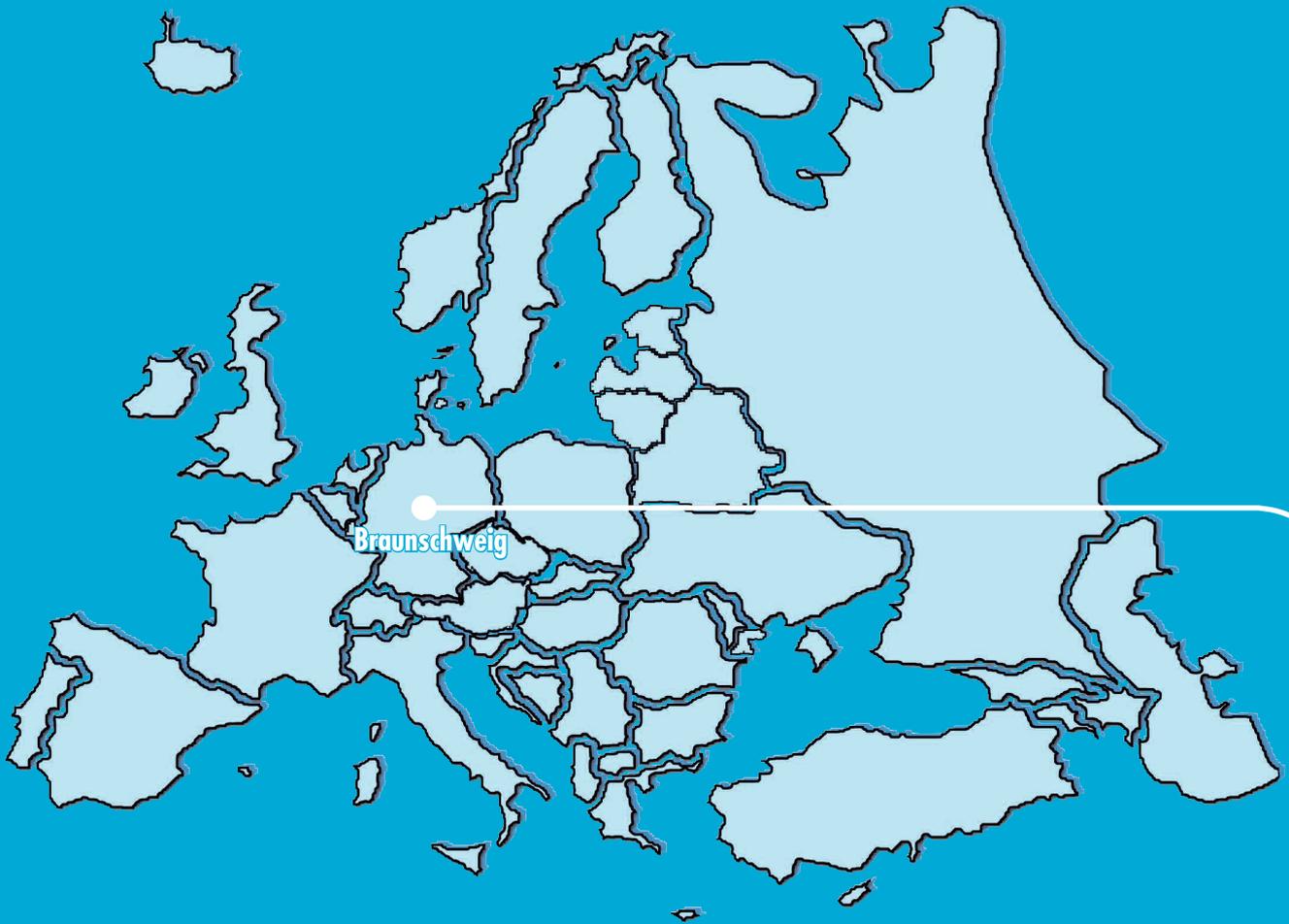
- additional tools for operating EWE fittings such as service wrenches, ratchets, adapters, drill bits, thawing device etc. complete our extensive range

2K-Close-Off Foam

- patented method for the secure separation of steel gas pipes



Detailed information on: www.ewe-armaturen.de



WILHELM EWE GmbH & Co. KG

Volkmaroder Straße 19

D-38104 Braunschweig

Tel.: +49 531 37005-0

Fax: +49 531 37005-55

E-Mail: info@ewe-armaturen.de

www.ewe-armaturen.de