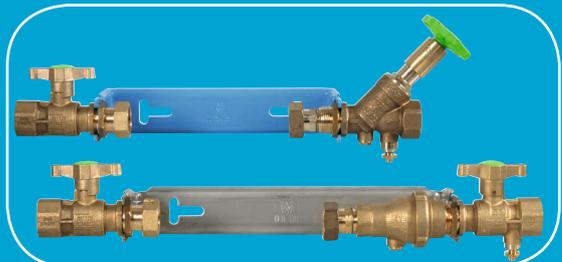
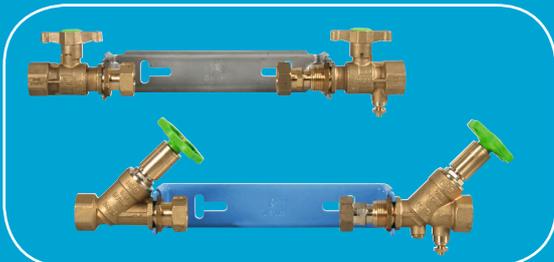
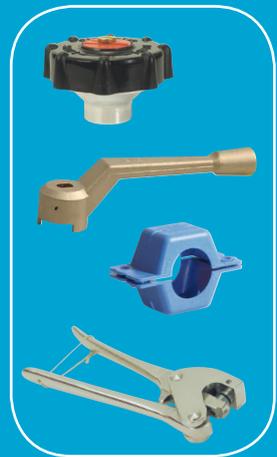




...thoroughly tried and tested!

EWE Water Meter Systems

...more than just a water meter mount



EWE Water Meter Systems

EWE water meter systems are the result of our continuous development work in the design and production of fittings and accessories. As the first manufacturer, we have now been producing and supplying high quality water meter systems for over five decades. Using the modular principle, we have created a wide range of models but can also provide specific solutions quickly and simply according to your requirements. A wide choice of accessories rounds off our water meter programme. DVGW certification and compliance with international regulations are significant criteria for the manufacture of our fittings.



Performance Profile

Now in our third generation, we are a medium-sized, family-owned business. Thanks to our experience going back more than 70 years and our technical know-how, we have become 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 and 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 can provide complete solutions tailored to meet your requirements.



Made in Germany

All our water meter systems 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 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 all our materials are obtained from one source, guaranteeing you reliable service in terms of quality, functional reliability and delivery.



Quality without Compromises

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 superb quality and durability of our ground shut-off and garden fittings is guaranteed not least by the use of high-quality, robust 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 at: www.ewe-armaturen.de



EWE Water Meter Systems

We offer you as a user, water meter systems which provide outstanding solutions in the most varied of situations in domestic installations and which impress with their unusually high technical standards. The EWE water meter systems have been developed and perfected over decades of use by specialists. Low cost, optimum accuracy of fit of the components and high operational reliability are only some of the benefits which the systems offer you.

The Modular Principle

EWE water meter systems offer a wide choice of connection and connecting possibilities. Using the flexible modular system we have created a wide range of models. This means that there is not only rapid availability but also comprehensive system expertise. Solutions tailored to your technical needs can therefore be provided promptly and without any complications. Our perfectly coordinated system means we are best equipped and prepared to meet your many and various requirements. The products are easily combined and are supplied pre-assembled.

Water Meter Bracket:

- for water meters Qn 1.5 to Qn 10 and Qn 20 (Austrian model) available for horizontal and vertical meter installation
- steel or cast mount, hot-dip galvanised with additional blue EPC coating
- with bolts, washers and cap nuts galvanised
- alternative stainless steel mount with bolts, washers and cap nuts in stainless steel
- seam at back giving a good flat fit even on uneven walls
- low sound transmission and practical t-mounting slots

Water Meter Screw Connections:

- positive fitting thread length adjustment
- in heavy brass or lead-free silicon brass
- with coupling nut for connection to the water meter
- with octagon for adjusting the length compensation with the coupling nut
- multithread with high pitch for quick length adjustment
- with lock ring and with casing with external thread
- double O-ring seal without dead space

Mountings and Seals

Mounting material set

- optional to the water meter system supply, packed in carton
- with PVC dowels, screws and washers, in various versions

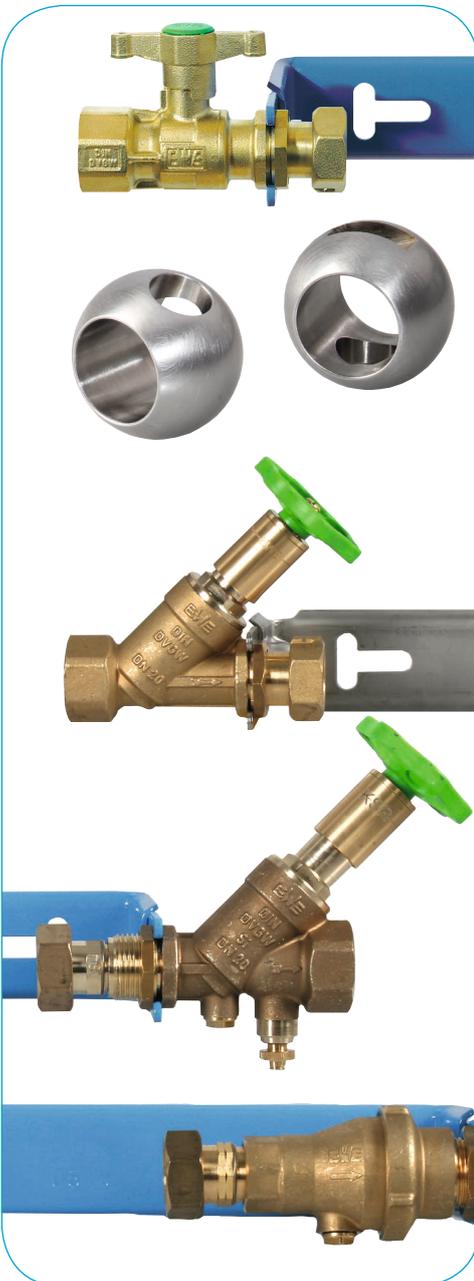
Water meter seals

- in EPDM (for max. 130°C), in PE (for max. 40°C) or in CE 200 (for max. 200°C)



EWE Valves for Water Meter Systems

EWE water meter systems are suitable for drinking water and available in various designs for all common water meter systems; they are able to effectively handle the range of practical conditions found on site. They are equipped with DVGW certified ball shut-off valves, Y-type valves, KSR valves or ball membrane non-return flow valves. Adjustable support arms allow adjustable wall clearance. All fittings have exterior connection sleeves suitable for the EWE O-ring system. The continuous thread components provide the highest degree of safety. Water meter systems are supplied pre-assembled. Seal points are kept to a minimum.



Ball Shut-Off Valve

- in hot-pressed brass or lead-free silicon brass
- ball in brass, chromed, alternatively in A4 stainless steel, with relief hole for circulating the ball, keeping it free of dead space and less risk of frost damage
- ball seals in PTFE
- octagon design hot-press brass butterfly grip
- full, smooth passage
- integrated reduction means low pressure loss
- safe and quick shut-off by 90° turn, saving maintenance time

Oblique-Seated Valve

- in hot-press brass or lead-free silicon brass
- drive not in contact with medium, therefore smooth running and free of dead space
- rotation reduced by double feed
- top part can be retrofitted and replaced



Combined Y-type/Backflow Valve (KSR Valve)

- in hot-press brass or lead-free silicon brass
- one piece design, without loose parts, make installation easier
- drive not in contact with medium, therefore smooth running and free of dead space
- double feed rotation reduction
- Teflon coated brass plunger reduces the risk of deposit build-up

Ball Membrane Non-Return Flow Valve

- in hot-press brass or lead-free silicon brass
- membrane-controlled non-return flow valve
- maintenance friendly, springless safety valve
- can be retrofitted and replaced
- more details, see page 07 "Ball membrane non-return flow valve"

EWE Water Meter Systems

Water meter systems are designed to connect the house system to the distribution network. They provide the crossover from the public supply pipe to the customer's private consumption system and therefore serve as interface between the house connection, water meter and house system. The introduction of DIN 1988 "Technical Regulations for Drinking Water Supply Systems" means that water meter systems are a permanent part of building services and ensure the first line in stress free installation and removal of water meters in pipes.

Water Meter Systems

with ball shut-off valve

- inflow side ball shut-off valve, outflow side connection

with Y-type valve

- inflow side Y-type valve, outflow side connection

with ball shut-off valves

- inflow and outflow sides ball shut-off valves

with ball shut-off valve and KSR valve

- inflow side shut-off valve, outflow side KSR valve

with Y-type valves

- inflow and outflow sides Y-type valve

with oblique-seated valve and KSR valve

- inflow side oblique-seated valve, outflow side KSR valve

with ball shut-off valves and ball membrane non-return flow valve

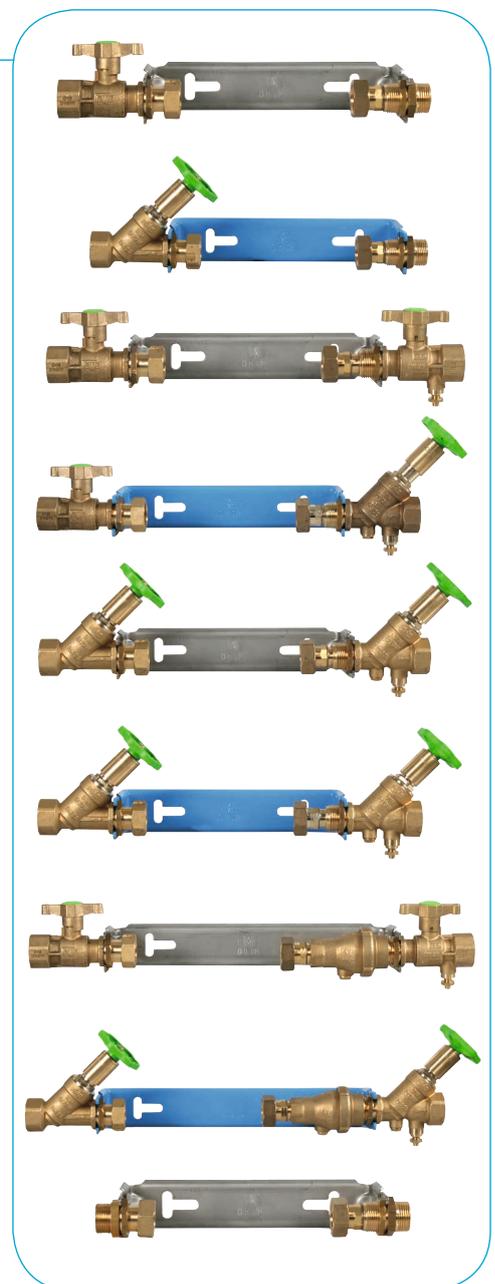
- inflow side ball shut-off valve, outflow side ball shut-off valve with ball membrane non-return flow valve

with oblique-seated valve and ball membrane non-return flow valve

- inflow side oblique-seated valve, outflow side Y-type valve with ball membrane non-return flow valve

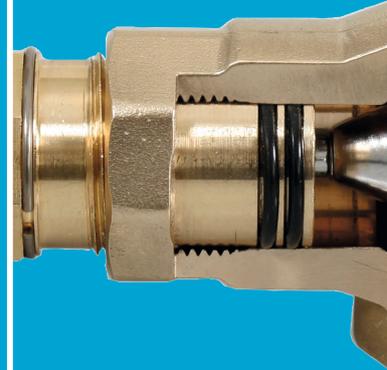
Water meter connection mount

- with inflow and outflow connection



EWE Accessories for Water Meter Systems

We supply accessories which are ideally suited to our water meter systems. Specific accessories can be designed for your requirements on request.



Handles and Levers

Hand wheel with reduction gear, butterfly grip, lever grip

- suitable for EWE water meter ball valves and EWE ball shut-off valves

Replacement Top Parts

Top parts for KSR valve and Y-type valve:

- details see page 04 "Valves for water meter systems"

Closing Devices

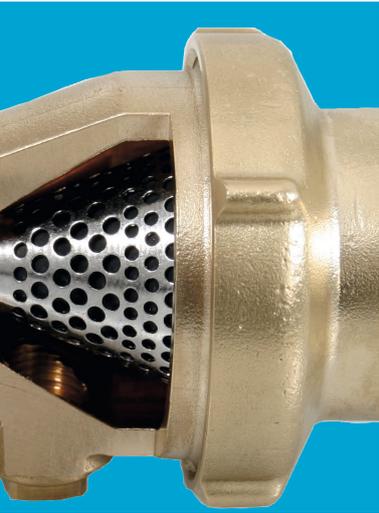
- suitable for EWE water meter ball valves

Sealing Devices

- sealing pliers, sealing pliers insert, seal wire, seals, seal collar

Connections and Crossovers, Adapters and Couplings

- various connections for secure connection to the water meter
- adaptor to reduce the water meter nominal size
- adaptor replacing water meter



EWE Ball Membrane Non-Return Flow Valve (KMR)

EWE KMR are used to prevent back pressure, backflow or back suction of fluids against the required direction of flow and have been well proven in our water meter systems for decades. They operate with a very low pressure loss and with high throughput rate; they are also easy to test or replace in installed water meters. The positioning of the KMR in the water meter mount before the outflow shut-off valve means that there is no need to empty and bleed the water pipe behind the non-return flow valve. That saves time and above all costs.

Ball Membrane Non-Return Flow Valve

- for nominal sizes DN 20 - DN 50
- with or without test screw
- brass casing, stainless steel cone support
- with or without drain
- available with various thread connections

Replacement Ball Membrane Non-Return Flow Valve

- in same version as the original installation in the EWE KMR system
- easily tested and very easy to change

Ball Membrane Non-Return Flow Valve with Flange Connection

Ball membrane intermediate flange non-return flow valve

- for nominal sizes DN 40 - DN 80
- with broad collar for direct interconnecting
- stainless steel cone support

Ball membrane single-flange non-return flow valve

- for nominal size DN 50 - DN 150
- for interconnecting in pipes
- cast iron casing, EPC coated
- stainless steel cone support

Ball membrane flange non-return flow valve

- for nominal sizes DN 50 - DN 200
- with 1/2" test plugs
- cast iron casing, EPC coated
- stainless steel cone support



EWE Flaming Off and Sampling Valves

The EWE flaming range was developed for use at almost every sampling point. The flaming off valves are designed for sampling in conformance with standards. The EWE sampling valve also offers the possibility to rinse the house connection pipe and to take a sample before installing the water meter.



Flaming Off Ball Cock with Mount

- to be used in EWE water meter systems with integrated drain valve.

Flaming Off Drain Valve

- to be used temporarily for the possibility of flaming off in place of the normal drain valve
- available in external thread sizes G 1/4" or G 3/8", with self-sealing O-ring

Flaming Off Range

- moulded foam lined, blue plastic case with:
- flaming drain valve with G 1/4" thread
- flaming drain valve with G 3/8" thread
- flaming ball cock with stainless pipe for an integrated drain valve
- ball cock without stainless pipe with internal Rp 1/4" thread
- hexagon key for hexagon socket head cap screw on the flaming ball cock
- pressure check gauge

Water Meter System with Sampling Valve

- stainless steel sampling valve, can be flamed off
- with ball shut-off valve and KSR valve or
- with Y-type valve and KSR valve with non-return flow valve
- the sampling valve is also available as an individual item

Sampling Valve

- in place of the water meter in the water meter system
- to flush the house connection system, to measure the flow and static pressure, for water sampling
- brass casing
- inflow external thread for G 1" water meter connection
- with gauge
- built-in flaming valve with stainless steel casing
- stainless steel flaming off pipe
- ball valve at outflow with GEKA coupling for a flushing hosepipe



EWE Distributor and EWE Connection Fittings

The EWE distribution system is based on a connector system which makes fast provision of drinking water distribution installations possible. The modular principle employed means that all the required types and meter connections can be connected together without special tools. EWE connection fittings and adaptors enable a system-compatible and simple connection between water meter system and piping.

EWE Distributor

- EWE distributor system model EPZ
- suitable for EWE water meter system Qn 1.5, Qn 2.5 or Qn 3/7 (Austrian model)
- available in brass in DN 25 and DN 40 versions
- permanent connection, secured by a stainless steel plain rectangular pressure ring
- two O-rings ensure the seal (connection remains rotatable)
- all thread connections fit the EWE O-ring system
- different components are available for every installation situation

Connection Fittings

- all fitting are suitable for the EWE O-ring system

PE connections:

- for water
- clamp connector to connect to the PE pipe, made of lead-free silicon brass or polypropylene
- rotatable brass angle mount for flexible use

PE-welded hexagon nipple:

- for water and gas
- for all makes of welded sleeve, manufactured in lead free brass

Angle-welding socket, welding socket:

- for water and gas
- manufactured in lead free brass



EWE Water Meter Pits

EWE water meter pits are intended for installation in pipe trenches. They can be used in many ways, thus for example as house connections, as construction site water connections, at the park or garden plots at camping sites or in graveyards and cemeteries. The compact size means that the water meter pit can be easily installed in pipe trenches without extensive excavation. It is surface water proof, hygienically clean and allows frost-free operation of EWE water meter systems and the water meter. It is not necessary or possible to enter the EWE water meter pit. The relevant accident prevention regulations do not therefore apply.



Water Meter Pit

- for water meters Qn 2.5 or Qn 6
- pipe cover depth 1 m – 1.75 m
- with water meter systems available in different specifications
- the EWE water meter system simply pulls out, allowing you to easily install, remove or just read the meter
- pit body made of watertight PE, stainless steel handle, lockable cast iron cover with seal
- a PA perimeter protector ring protects the cover from earth, making for easy and clean opening of the pit
- with EWE insulation seal to provide additional low temperature insulation and inhibit the formation of condensation
- brass internal thread on both sides Rp 1" (Qn 2.5) or Rp 1 1/4" (Qn 6), suitable for the EWE O-ring system
- the silicone hoses of the water meter pit system have a hardwearing stainless steel braided sheath
- water meter is not included in the scope of delivery

Telescopic Water Meter Pit

- specifications as for the EWE water meter pit
- the pit is, however, telescopic.. its overall depth can be individually and infinitely varied over a total range of 50 cm on site for a precise pipe cover depth
- a specially developed moulded seal between the pit insert and pit body effectively prevents moisture from penetrating in from the surrounding earth

Accessories for Water Meter Pits

- our range of accessories for water meter pits includes:
- pit rim to accommodate the water meter pit cover to increase suitability for traffic in accordance with class B 125
- watertight pit cover
- the EWE extension and the pit top attachment, for placement on the pit body enables the depth of the pit to be increased on site to match the conditions on the premises
- pit key for locking the EWE water meter pit



EWE Water Meter Pits

Pit hydrants, special pits and garden water meter pits round off our comprehensive range for water meter pits. The compact, robust design makes the garden water meter pit particularly suitable for use at frost-free sites, such as parks, garden plots or camping sites.

Pit Hydrant

- for taking water directly at the water meter pit
- e.g., at building sites
- self-emptying and therefore frost-proof
- with one to three brass outlet valves and a GEKA coupling
- can be supplied with non-return flow valve or BA system separator if required
- sheath tube for all pipe cover depths of the pit projecting 50 cm over the pit cover

Pit Set

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

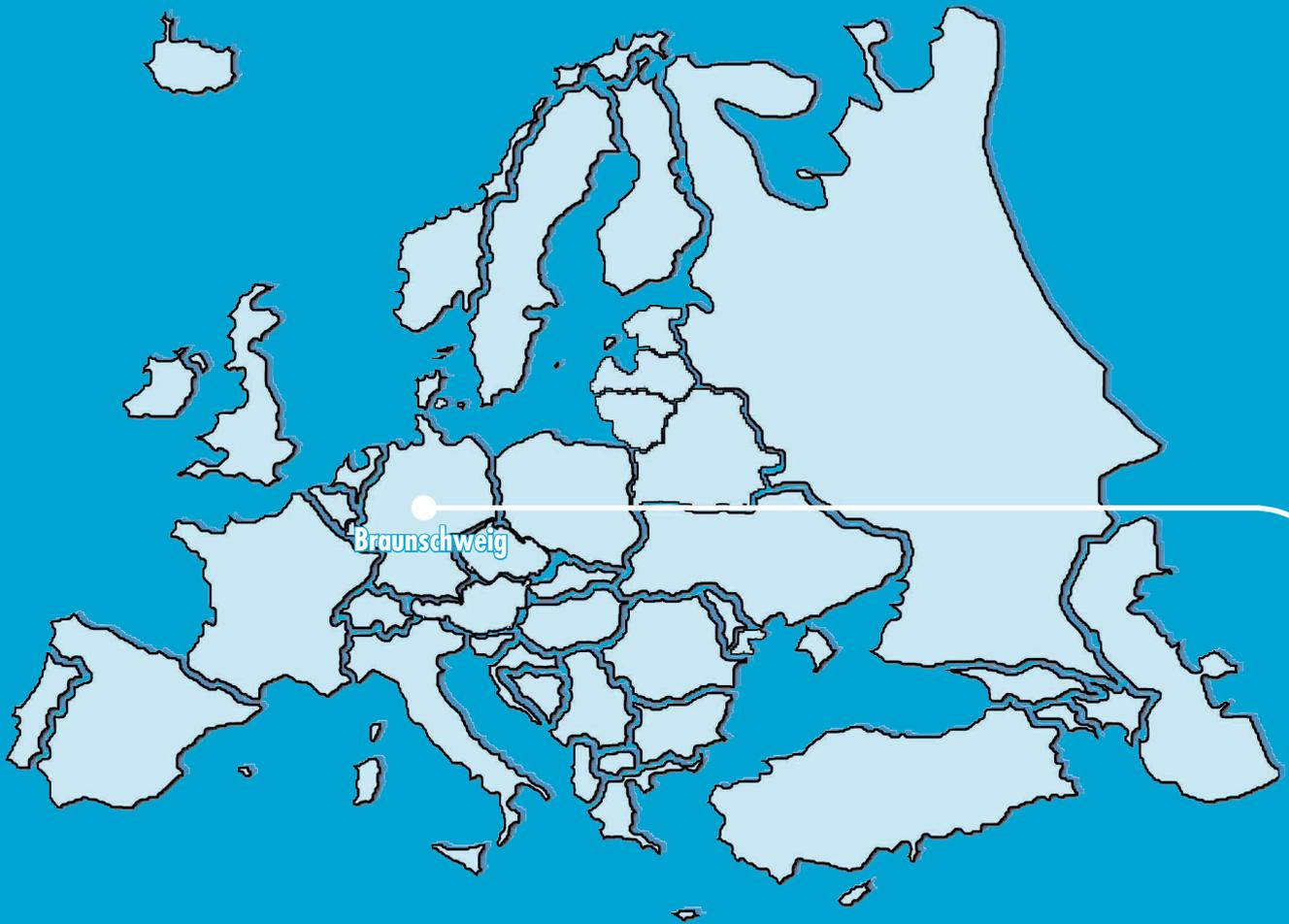
Special Pit d 1000 mm

- 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

Garden Water Meter Pit

- with or without tapping point
- smaller dimensions than the EWE water meter pit, for pipes with a smaller pipe cover depth
- enables the EWE water meter system and water meter to be operated reliably
- not frost-proof
- for water meter Qn 2.5





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