



PIPETEC[®]

Future-ready piping systems.

PRODUCT CATALOG

2026



Valid from July 1, 2026

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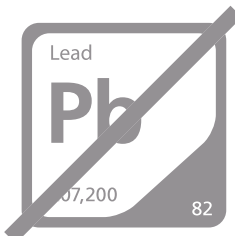


PIPETEC CONNECT LEAD-FREE

THE NEXT GENERATION OF MODERN DRINKING WATER SYSTEMS

With PIPETEC Connect Lead-Free, we offer modern system solutions designed to meet the highest standards for hygiene, safety, and future readiness. Our PIPETEC Connect Lead-Free system was specifically developed for the requirements of modern European drinking water installations and stands out for the following features:

- lead-free materials made from PPSU and CW724R
- high resistance to dezincification
- certified system compatibility
- excellent hygienic properties
- high durability and operational reliability
- optimal installation properties
- long-term future readiness



PIPETEC Connect Lead-Free stands for modern European system technology and reliable solutions for the drinking water installations of tomorrow.



FUTURE-READY MATERIALS

PIPETEC relies on advanced material concepts to ensure maximum safety and long-term sustainability in drinking water applications.

These include:

- lead-free and low-lead alloys
- PPSU high-performance plastics
- advanced sealing technologies
- high corrosion resistance
- excellent hygienic properties
- durable and safe material solutions

During 2026, our drinking water systems will be transitioned from CW617N to the low-lead alloy CW510L.

With this advancement, PIPETEC is already laying the foundation today for future European requirements in drinking water applications and reinforcing its commitment to providing modern, future-ready system solutions for European installation technology.



TOMORROW'S DRINKING WATER TECHNOLOGY

FUTURE-READY DRINKING WATER INSTALLATION

ONLY EU-DWD-COMPLIANT MATERIALS FROM JANUARY 1, 2027

The European Drinking Water Directive (EU-DWD) defines uniform requirements across Europe for materials and products that come into contact with drinking water. Its objective is to improve drinking water hygiene and ensure the long-term use of materials that are safe for human health.

PIPETEC is already consistently aligning its material strategy with these future requirements. As of January 1, 2027, we will supply drinking water products exclusively in materials that comply with the requirements of the EU Drinking Water Directive.

This means our systems will meet the requirements of the German Environment Agency's Assessment Basis for Metallic Materials in Contact with Drinking Water (BWGL) ahead of schedule. The BWGL defines which metallic materials are approved for contact with drinking water. Through the consistent use of low-lead and lead-

YOUR ADVANTAGES

- Maximum investment protection
- Highest drinking water hygiene
- Lead-free and low-lead materials
- Reliable planning for new construction and renovation projects
- Future-ready piping systems
- Long-term availability of compliant products

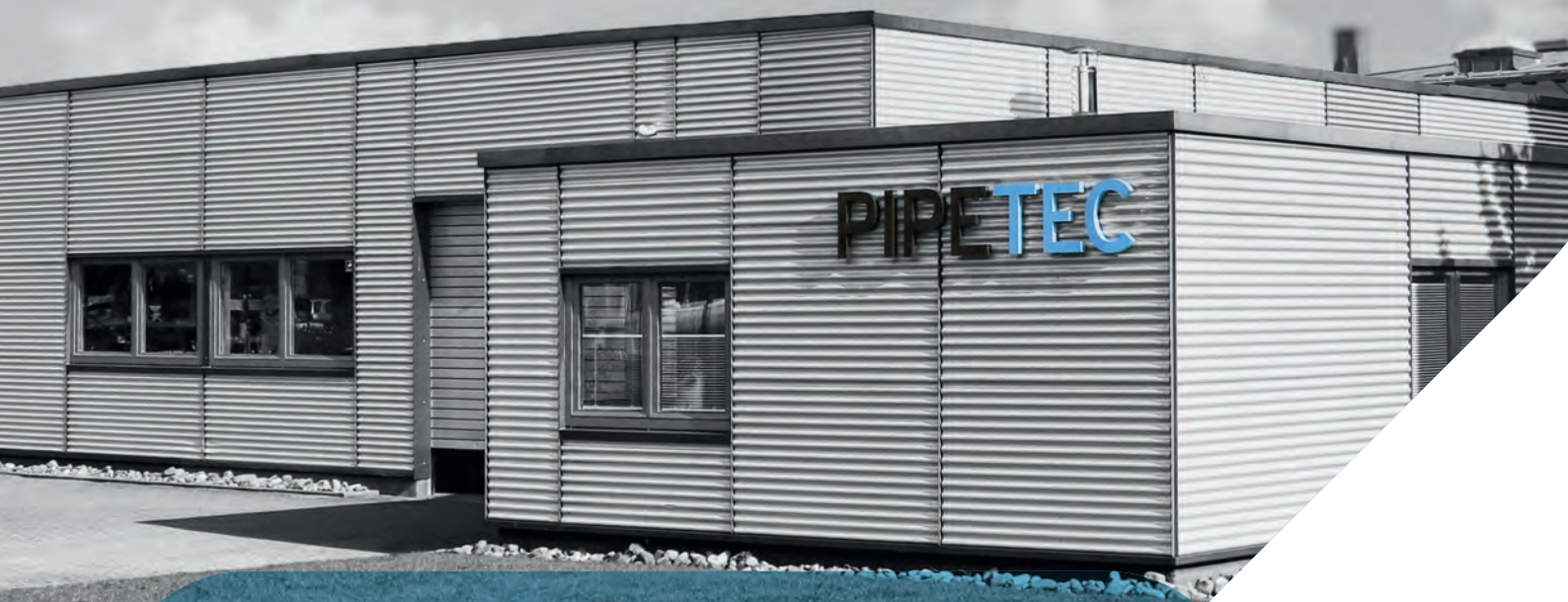


EU-DWD READY

free materials, our products are already prepared for future requirements well before the January 12, 2028 deadline.

While the legal transition periods would allow for a later changeover, PIPETEC is implementing the new requirements more than one year earlier. As a result, our customers benefit from maximum investment, planning, and product security, along with the confidence that they are already choosing future-ready drinking water systems today.





PIPETEC

DEVELOPED FOR EUROPE
CERTIFIED FOR THE FUTURE.

MODERN PIPING SYSTEMS FOR EUROPEAN PLUMBING AND BUILDING TECHNOLOGY

MODERN SYSTEM SOLUTIONS FOR INDUSTRY, TRADE AND CRAFT

PIPETEC stands for future-ready piping systems developed to meet the requirements of European plumbing and heating industry. As a modern system brand, we combine more than 25 years of experience with continuous advancement, strong manufacturing expertise, and a clear understanding of the needs of retail, professional installers, industry, and OEM partners.

From multilayer composite pipes to press fittings, compression fittings, accessories, and specialty tools, we offer well-engineered system solutions for safe, efficient, and cost-effective installation. Today, our products are used in more than 30 countries and stand for certified quality, reliable application, and long-term system safety.

QUALITY WITH IDENTITY

Our production site in Bisingen, located in the Swabian Alb region of Germany, is an essential part of our identity — and at the same time, the foundation for the quality standards that guide how we develop and manufacture our systems. Here, we combine long-standing experience, technical expertise, and modern manufacturing processes to create piping system solutions that meet the demands of European plumbing and building technology.

In Bisingen, we manufacture products that focus on precision, material quality, and reliable workmanship. Clear standards, controlled processes, and a strong sense of responsibility at every stage of production ensure that our systems are not only cost-effective, but above all safe, durable, and practical for everyday use.

This combination of regional reliability, industrial manufacturing expertise, and a clear focus on the European market makes PIPETEC a strong partner for modern piping system technology — with products made in Germany and developed for use throughout Europe.

INDIVIDUALLY

Manufacturing of
OEM Products

OVER 25

years
of experience

MORE THAN 30

countries
rely on our
products

TEAM

40 experienced
employees

VISIONARY

Innovative
and flexible

PIPETEC®

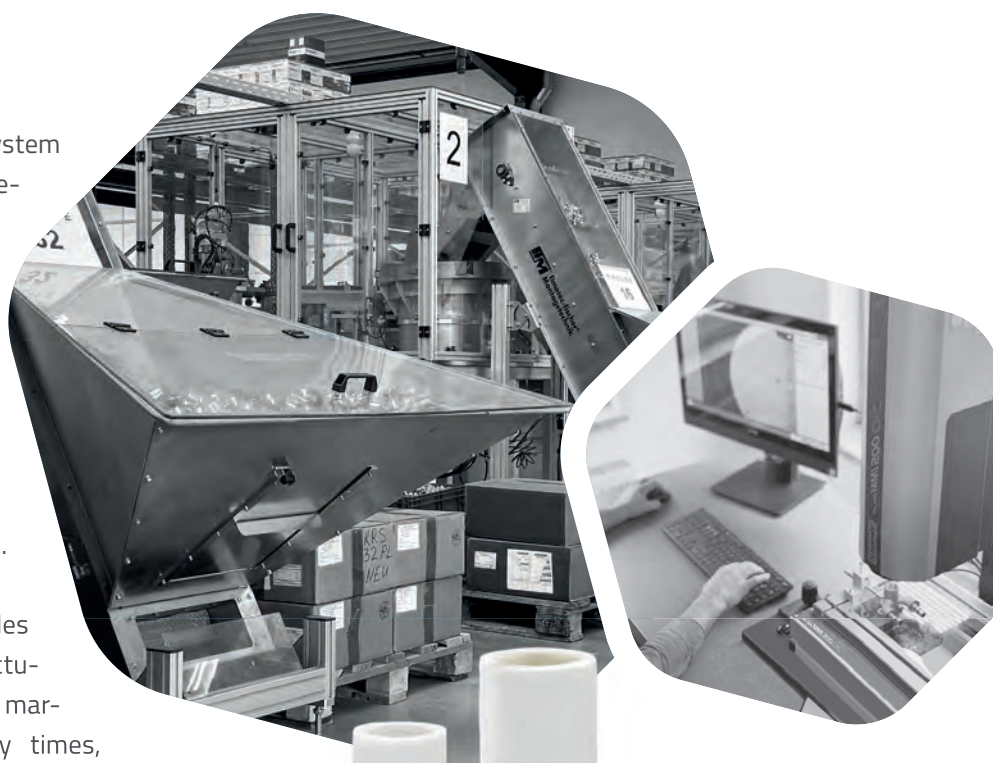
WHY PIPETEC?

YOUR ADVANTAGE

Our customers benefit from practical system solutions specifically tailored to the requirements of modern installation companies and technical applications. The focus is on simple and safe installation, high reliability in daily use, and a well-balanced price-performance ratio. Clearly structured product ranges and system-compatible components help make planning and installation processes efficient, transparent, and straightforward.

Another advantage lies in our direct sales channels and lean decision-making structures. This allows us to respond flexibly to market requirements, ensure short delivery times, and pass economic benefits directly on to our customers. This is supported by efficient logistics, high product availability, and dependable service processes.

In addition, we support our customers with personal, technically sound assistance — from product selection and technical questions to application-specific solutions for project business.



Our goal is a long-term partnership that creates long-term security, reliability, and added value in everyday professional use.

INNOVATIONS

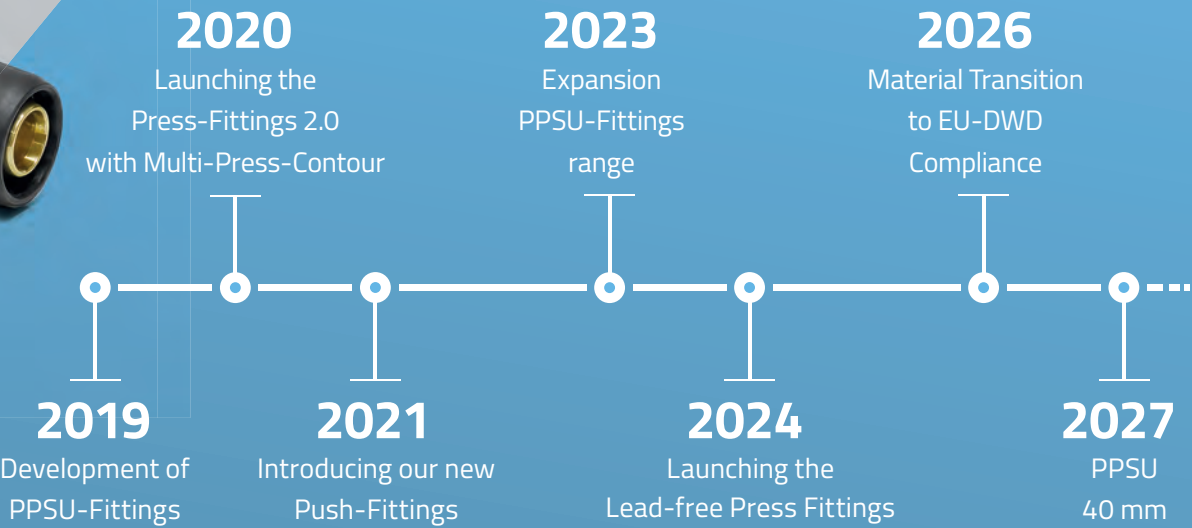
The requirements for modern piping systems are continuously evolving across Europe. Topics such as drinking water hygiene, material durability, energy efficiency, sustainability, and long-term supply security are becoming increasingly important.

Against this backdrop, we continuously invest in the further development of our systems, materials, and manufacturing processes. Our focus is not only on technical improvements, but also on practical usability in the daily work of professional installers, industry, and planning specialists.

Our commitment is clearly defined: PIPETEC develops piping systems that reliably meet today's requirements while also being prepared for the future developments of the European market. This results in durable, cost-effective, and safe solutions for modern installation systems.



OUR INNOVATIONS IN RECENT YEARS



OUR PRODUCTION IN BISINGEN





High-tech and precision
**MORE THAN 25 YEARS
OF EXPERIENCE**



PIPETEC: YOUR OEM PARTNER YOUR GAIN



WHY CHOOSE AN OEM PIPING SYSTEM?

- **WELL THOUGHT-OUT PRODUCT PORTFOLIO**
to strengthen your brand
- **HIGHER PROFIT**
thanks to attractive purchasing conditions
- **DIFFERENTIATION FROM COMPETITOR PRODUCTS**
with your own brand

HERE'S WHAT WE OFFER YOU AS AN OEM PARTNER:

- **HIGH QUALITY STANDARDS**
Tested systems with internal and external quality control
- **CERTIFIED PRODUCTS**
DVGW and KIWA certifications can be used through your own distributor certificates
- **PRODUCT BRANDING**
Pipe systems with your own label, fittings and tools in your own colour
- **CORPORATE DESIGN**
Packaging and labelling with your own company layout
- **LOGISTICS**
Packing units to meet your needs, outer packaging suitable for parcel delivery service
- **SUPPORT ON SITE**
Our sales team will give you professional advice on technical issues and designing your own pipe system – on site

» Fittings..., tools...
... in the colour of your choice
... with your logo
... in the packaging of your choice «



The Pipetec aluminium multilayer composite pipe is a five-layer plastic-metal composite pipe **for plumbing and heating applications**. It can withstand a constant temperature of 70°C and a maximum pressure of 10 bar over a period of 50 years. The maximum permitted operating temperature is 95°C for max. 1 year.

PIPETEC ALUMINIUM MULTILAYER COMPOSITE PIPE

(WITH DVGW CERTIFICATION)

► AREAS OF APPLICATION

-  Drinking water installations
-  Underfloor/wall heating
-  Underfloor/wall cooling
-  Radiator connection
-  Oil-free compressed air up to 10 bar

► ADVANTAGES

- No oxygen diffusion thanks to welded aluminium layer
- High temperature and pressure resistance
- Corrosion-free
- No encrustation thanks to smooth internal pipe surface
- Low-noise (sound insulation)
- High flexibility and yet dimensionally stable when laid
- Significantly lower weight than a metal pipe, making it easier to handle
- UV-resistance min. 6 months in unprotected storage
- Low thermal longitudinal expansion
- Pipe circumference and material properties meet the finest tolerances

► CERTIFICATIONS

- | | |
|--|---|
|  DVGW |  EN ISO 21003 |
|  SKZ |  GOST |
|  KIWA |  HYGIENE CERTIFICATE |
|  ÜA | |

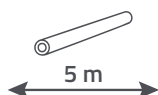
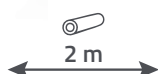


ALUMINIUM MULTILAYER COMPOSITE PIPE DVGW / COILS



GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494170009	VR1620010	16 x 2.0 mm	10 m	180
4260494170016	VR1620025	16 x 2.0 mm	25 m	72
4260494170023	VR1620050	16 x 2.0 mm	50 m	68
4260494170030	VR1620100	16 x 2.0 mm	100 m	17
4260494170047	VR1620200	16 x 2.0 mm	200 m	17
4260494170054	VR1620500	16 x 2.0 mm	500 m	4
4260494170061	VR2020010	20 x 2.0 mm	10 m	72
4260494170078	VR2020025	20 x 2.0 mm	25 m	88
4260494170085	VR2020050	20 x 2.0 mm	50 m	44
4260494170092	VR2020100	20 x 2.0 mm	100 m	17
4260494170108	VR2630010	26 x 3.0 mm	10 m	60
4260494170115	VR2630025	26 x 3.0 mm	25 m	17
4260494170122	VR2630050	26 x 3.0 mm	50 m	10
4260494170139	VR3230010	32 x 3.0 mm	10 m	17
4260494170146	VR3230025	32 x 3.0 mm	25 m	17
4260494170153	VR3230050	32 x 3.0 mm	50 m	8

ALUMINIUM MULTILAYER COMPOSITE PIPE DVGW / ROD



GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH		
4260494170191	VS162	16 x 2,0 mm	2 m	40	1.800
4260494170207	VS202	20 x 2,0 mm	2 m	40	1.374
4260494170214	VS262	26 x 3,0 mm	2 m	30	791
4260494170221	VS322	32 x 3,0 mm	2 m	30	513
4260494170238	VS402	40 x 3,5 mm	2 m	10	330
4260494174991	VS1625	16 x 2,0 mm	2,5 m	5	400
4260494175004	VS2025	20 x 2,0 mm	2,5 m	5	400
4260494175011	VS2625	26 x 3,0 mm	2,5 m	5	400
4260494170498	VS3225	32 x 3,0 mm	2,5 m	4	320
4260494170245	VS165	16 x 2,0 mm	5 m	24	1.512
4260494170252	VS205	20 x 2,0 mm	5 m	24	864
4260494170269	VS265	26 x 3,0 mm	5 m	10	630
4260494170276	VS325	32 x 3,0 mm	5 m	10	360
4260494170283	VS405	40 x 3,5 mm	5 m	10	250
4260494170290	VS505	50 x 4,0 mm	5 m	7	140
4260494170306	VS635	63 x 4,5 mm	5 m	3	60



NEW

ISO MINI COILS

► PRODUCT DESCRIPTION

The new PIPETEC ISO Mini Coils were specifically developed to meet the requirements of brick-and-mortar retail, modern end customers, and professional installers. They combine high product quality with maximum ease of use — all in a compact format.

They are based on the proven PIPETEC aluminium multi-layer composite pipe, whose five-layer structure stands for durability, dimensional stability, and hygienic safety. The factory-applied 6 mm PE insulation provides efficient thermal insulation and reliably prevents condensation — without the need for additional insulation on the job site.

The new mini coil solution in neutral ISO white is fully sealed in protective film, keeping it optimally protected during transport and on store shelves. With an outside diameter of only 490 mm, the coils fit easily into any car trunk and are simple to handle on the job site. This makes them the perfect choice for renovation work, single-room solutions, new installations, or quick repairs.

Thanks to coordinated pallet logistics, the products are not only shelf-ready, but also suitable for high-bay storage and parcel shipping. This makes them an ideal solution for retail.

PIPETEC ISO MINI COILS

INSULATED COILS

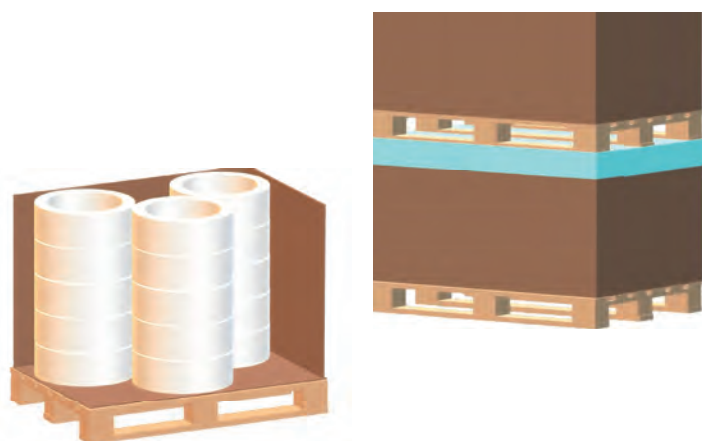


WHITE / 6 MM

GTIN NO. (EAN)	ITEM NO.	SIZE	OD / ID / HEIGHT	LENGTH	KG COIL	COIL	STORAGE SPACE
4260494170474	VRI1620615W	16 x 2,0 mm - 6 mm	49 / 32 / 15 cm	15 m	2,0 kg	15 x	30 x
4260494170481	VRI2020615W	20 x 2,0 mm - 6 mm	49 / 32 / 16 cm	15 m	2,0 kg	15 x	30 x

► BENEFITS FOR END CUSTOMERS & INSTALLERS

- **PRACTICAL SIZE:**
15 m coil — ideal for renovations and new installations
- **COMPACT DESIGN:**
Fits in any car trunk
- **EASY HANDLING:**
Flexible, dimensionally stable, and easy to install
- **READY TO USE:**
No additional insulation required – saves time and labor
- **NO CONDENSATION:**
The closed-cell insulation reliably protects against condensation on cold water pipes
- **SAFE AND HYGIENIC TRANSPORT:**
Fully sealed in protective film – protects against dirt and damage
- **RELIABLE INSULATION:**
ISO 6 mm, thermal conductivity only 0.040 W/mK – saves energy and protects against heat loss
- **PROVEN PIPE QUALITY:**
Manufactured from the PIPETEC aluminium multi-layer composite pipe, used millions of times
- **SYSTEM APPROVAL:**
Fully tested and approved with the complete PIPETEC system of press, compression, and push fittings
- **MADE IN GERMANY:**
High manufacturing quality with a clear origin – reliable, durable, precise
- **NEUTRAL AND MODERN:**
New surface in ISO white – high-quality and unobtrusive for visible installations



 Two disposable pallets stacked on top of each other per pallet storage space

► BENEFITS FOR RETAIL

- **HIGH-SELLING RETAIL PRODUCT:**
Compact 15 m coils designed for retail – ideal for renovation projects, new installations, and quick replacement jobs
- **HIGH-QUALITY PRODUCT BASE:**
Manufactured from the proven **PIPETEC-composite pipe** – used millions of times – highest quality and reliability “Made in Germany”
- **GROWTH MARKET FOR INSULATED COMPOSITE PIPE:**
The market for insulated composite piping systems continues to grow strongly — retailers benefit directly from an expanded product range
- **HYGIENIC AND SAFE FOR TRANSPORT:**
Fully sealed in protective film — optimal protection against dirt and mechanical damage during transport, storage, and presentation
- **PALLET-OPTIMIZED FOR HIGH-BAY STORAGE:**
 - Two pallets per storage space, each 95 cm high, stacked to a total height of 190 cm
 - Suitable for high-bay storage — efficient for central warehouses
- **PARCEL-SHIPPING READY:**
Thanks to compact dimensions, easy to ship via DHL, GLS, DPD, Hermes, or UPS — ideal for decentralized deliveries
- **OPTIMIZED STORAGE:**
Outside diameter of only 490 mm – extremely space-saving at the point of sale
- **NEUTRAL AND MODERN:**
New ISO white colour — reduces product variety on the shelf while creating a professional and timeless appearance
- **ATTRACTIVE PRICE SEGMENT:**
Shorter coil lengths mean a lower individual product value – ideal for customers with strong impulse-buying potential
- **EASY HANDLING FOR PROFESSIONALS:**
Perfect for small projects, retrofits, and service teams
- **BARCODE LABELING:**
Clear packaging and coil shape ideal for labels with reliable GTIN identification
- **PRODUCT RANGE DIFFERENTIATION:**
Unique product features in the competitive retail environment

► CERTIFICATIONS

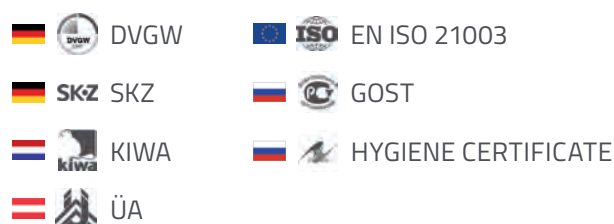
 DVGW	 EN ISO 21003
 SKZ	 GOST
 KIWA	 HYGIENE CERTIFICATE
 ÜA	



PIPETEC PRE-INSULATED ALUMINIUM MULTI-LAYER COMPOSITE PIPES

The pre-insulated aluminium multi-layer composite pipe is a five-layer plastic-metal composite pipe for plumbing and heating applications with prefabricated cold/heat insulation made of thermally welded, extruded PE foam and with a protective layer of PE film.

► CERTIFICATIONS



► ADVANTAGES

- No need to insulate pipes once they have been fitted
- Outer layer provides additional protection against UV radiation and mechanical loads
- Good heat insulation: heat conductivity at 40°C = 0.040 W/mK (0.035 W/mK at 10 mm and 20 mm ISO)
- Closed cell structure

- Temperature-resistant
- Fire protection class E according to DIN EN 13501-1
- Easy to fit thanks to good flexibility
- **Our aluminium multi-layer composite pipes with 10 mm insulation meet GEG 50%**
- **Our aluminium multi-layer composite pipes with 20 mm insulation meet GEG 100%**



ALUMINIUM MULTILAYER COMPOSITE PIPE DVGW / INSULATED COILS



BLUE / 6 MM

GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494170313	VRI1620650B	16 x 2.0 mm - 6 mm	50 m	17
4260494170320	VRI2020650B	20 x 2.0 mm - 6 mm	50 m	15
4260494170337	VRI2630625B	26 x 3.0 mm - 6 mm	25 m	15



ALUMINIUM MULTILAYER COMPOSITE PIPE DVGW / INSULATED COILS



RED / 10 MM

GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494170344	VRI1621050R	16 x 2.0 mm - 10 mm	50 m	15
4260494170351	VRI2021050R	20 x 2.0 mm - 10 mm	50 m	9
4260494170368	VRI2631025R	26 x 3.0 mm - 10 mm	25 m	9

RED / 20 MM (100% GEG)

4255750506937	VRI1622025R	16 x 2,0 mm - 20 mm	25 m	7
4255750506944	VRI2022025R	20 x 2,0 mm - 20 mm	25 m	6
4255750506951	VRI2632015R	26 x 3,0 mm - 20 mm	15 m	6

The Pipetec aluminium multilayer composite pipe is a five-layer plastic metal composite pipe for **heating applications** and can withstand a constant temperature of 60°C and a maximum pressure of 6 bar over a period of 50 years. The maximum permitted operating temperature is 80°C for max. 1 year.

PIPETEC ALUMINIUM MULTILAYER COMPOSITE PIPE

FOR HEATING APPLICATIONS
(NO DVGW CERTIFICATION)

► AREAS OF APPLICATION

-  Underfloor/wall heating
-  Underfloor/wall cooling
-  Radiator connection

► CERTIFICATIONS

 **DIN** Properties in accordance with DIN

 **ISO** EN ISO 21003

► ADVANTAGES

- No oxygen diffusion thanks to welded aluminium layer
- High temperature and pressure resistance
- Corrosion-free
- No encrustation thanks to smooth internal pipe surface
- Low-noise (sound insulation)
- High flexibility and yet dimensionally stable when laid
- Easy and economical to use
- Significantly lower weight than a metal pipe, making it easier to handle.
- Low thermal longitudinal expansion
- Pipe circumference and material properties meet the finest tolerances

MULTILAYER COMPOSITE PIPE

HEATING APPLICATIONS ONLY / NO DVGW CERTIFICATION



GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494170160	VR1620100HZ	16 x 2.0 mm	100 m	17
4260494170177	VR1620200HZ	16 x 2.0 mm	200 m	17
4260494170184	VR1620500HZ	16 x 2.0 mm	500 m	4



The Pipetec Ultraflex plastic heating pipe was developed specifically for heating installation. Thanks to its flexibility, it can be fitted very easily and with minimum effort as a surface heating/cooling system. Due to its **5-layer structure** with an internal EVOH diffusion barrier layer, it offers maximum structural protection.

PIPETEC ULTRAFLEX PLASTIC PIPE

EXTREMELY FLEXIBLE, 5-LAYER
PLASTIC HEATING PIPE

TYPE 1

► ADVANTAGES

- Extremely flexible and easy to install
- Diffusion-tight according to DIN 4726
- Narrow bending radii possible
- Excellent stress crack resistance
- No incrustation thanks to smooth inner pipe surface

► AREAS OF APPLICATION

-  Floor / wall heating
-  Ceiling heating / cooling
-  Industrial panel heating
-  Concrete core activation

► TECHNICAL DATA

- Application categories Kl. 4 / 6 bar
- T_{max} 70°C
- Material: PE-RT type 1
- Diffusion barrier EVOH
- Colour: Natural or as per customer's request (extra charge)

► DELIVERY, OEM

-  Delivery time: Upon request
-  OEM: Printing and colour possible for a surcharge
-  MOQ: 10 pallets per product



PE-RT HEATING PIPE / 5 LAYERS

GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494176063	HRUF16200	16 x 2 mm	200 m	10 (Foil)
4260494176070	HRUF16500	16 x 2 mm	500 m	5 (PE-Bag)
4260494176087	HRUF17200	17 x 2 mm	200 m	10 (Foil)
4260494176094	HRUF17500	17 x 2 mm	500 m	4 (PE-Bag)

PIPETEC PLASTIC PIPE

FOR UNDERFLOOR HEATING – PE-RT
(NO DVGW CERTIFICATION)

TYPE 2

The Pipetec PE-RT pipe is a **5-layer solid plastic pipe for use in underfloor heating**. It can withstand a constant temperature of 70°C and a maximum pressure of 6 bar. The maximum permitted operating temperature is 90°C for max. 1 year.

► ADVANTAGES

- Oxygen-tight thanks to co-extruded EVOH coating that meets DIN 4726
- High temperature and pressure resistance
- Corrosion-free, no material reactions or associated changes
- Weldable basic pipe
- Excellent stress crack resistance
- No encrustation thanks to smooth internal pipe surface
- Low-noise (sound insulation)
- Flexible and easy to lay – can also be laid cold
- Tight bending radii possible
- Suitable for particularly rough laying conditions
- Properties in accordance with DIN 16833 / 16834



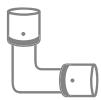
PE-RT HEATING PIPE / 5 LAYERS

GTIN NO. (EAN)	ITEM NO.	SIZE	LENGTH	
4260494170405	HR1220200	12 x 2 mm	200 m	17
4260494170412	HR1420200	14 x 2 mm	200 m	17
4260494170436	HR1620200	16 x 2 mm	200 m	17
4260494170443	HR1620500	16 x 2 mm	500 m	4
4260494170450	HR1720200	17 x 2 mm	200 m	8
4260494170467	HR1720500	17 x 2 mm	500 m	4



► AREAS OF APPLICATION

-  Underfloor/wall heating
-  Underfloor/wall cooling



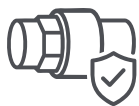
PRESSFITTING 2.0 WITH TH + U MULTI-CONTOUR

► BENEFITS

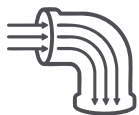
The PIPETEC Press Fitting 2.0 was developed for safe, efficient, and practical installation of modern multilayer composite piping systems. A key feature is its multi-contour compatibility in dimensions from 16 to 32 mm: Within this range, the fittings can be installed using both TH and U press jaws. This increases flexibility on the job site, as existing press tools can be used more easily and installation processes can be carried out more economically.

The stainless steel press sleeve ensures a permanently form-fit connection between the pipe and fitting. Three inspection windows allow for quick and reliable verification of the insertion depth before pressing. At the same time, the optimized sleeve guide supports precise positioning of the press jaw and helps reduce installation errors, even in demanding installation situations.

Additional safety is provided by the designed leak-before-press function in the relevant dimensions: Unpressed connections can be detected during pressure testing. In combination with flow-optimized fittings, two O-rings, and the proven PIPETEC system technology, this creates a durable, hygienic, and installer-friendly connection solution for drinking water, heating, and general installation applications.



Improved hold of the stainless steel press sleeve on the fitting
= even safer pressing



Flow-Optimized Fittings



Improved Readability of the Insertion Depth



Proven Quality with All Relevant
International Certifications





Improved Grip on the Fitting
means an even safer press connection

► MULTI-CONTOUR (TH + U)

Full compatibility with TH and U press jaws
up to dimension 32 x 3.0 mm.

- 16 x 2,0 mm = TH + U compatible
- 20 x 2,0 mm = TH + U compatible
- 26 x 3,0 mm = TH + U compatible (25 mm Press Jaw)
- 32 x 3,0 mm = TH + U compatible
- 40 x 3,5 mm = TH
- 50 x 4,0 mm = TH
- 63 x 4,5 mm = TH

Flow-Optimized
Fittings

Easier-to-Read Insertion
Depth Marking

Also valid for ECO press fittings
and for PPSU press fittings

WATER QUALITY BEGINS WITH THE SYSTEM

PIPETEC fittings stand for reliable connection technology, long-lasting quality, and responsible material selection. Designed with lead-free solutions in mind and aligned with the highest requirements of modern drinking water installations — ready for the European drinking water future in accordance with the EU Drinking Water Directive.





PIPETEC®

PRESSFITTINGS PPSU





PIPETEC

PRESSFITTINGS PPSU

Product catalog 2026



► AREAS OF APPLICATION

- Drinking water installations
- Underfloor/wall heating
- Underfloor/wall cooling
- Radiator connection
- Oil-free compressed air up to 10 bar

▶ VIDEO
INSTALLATION INSTRUCTIONS

► CERTIFICATIONS

- DVGW
- IMA
- ÜA
- Ö-NORM
- EN ISO 21003
- GOST
- HYGIENE CERTIFICATE

PRESS FITTINGS PPSU

► ADVANTAGES

- 100% lead free, as made of PPSU high-performance plastic (polyphenylsulphone)
- All materials are safe for use with drinking water and are on the UBA positive list
- Light, highly resilient fitting, unbreakable and durable
- Very good resistance coefficient (zeta) for lower pressure loss
- Unobstructed passage and virtually no flow noise
- Two O-rings for optimal safety
- Strong plastic guide ring for secure press fitting even in confined spaces
- Three inspection windows in the stainless steel sleeve for checking the depth of insertion
- The forced leakage of the system ensures that connections that have not been pressed in can be located even during the pressure test

► PROPERTIES

- DVGW DW-8501BS5049
- Durability: 10 bar / 70°C / 50 years
- Maximum operating temperature 95°C
- TH- and U press contour
- Leak before pressed feature (dimensions 16-32 mm)



PRESS ELBOW 90°



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494175165	KPFW1616	16 x 2	PPSU	10	80
4260494175172	KPFW2020	20 x 2	PPSU	10	60
4260494175189	KPFW2626	26 x 3	PPSU	5	40
4260494175196	KPFW3232	32 x 3	PPSU	5	20



PRESS T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494175127	KPFT161616	16 x 2	PPSU	10	50
4260494175134	KPFT202020	20 x 2	PPSU	10	40
4260494175141	KPFT262626	26 x 3	PPSU	5	20
4260494175158	KPFT323232	32 x 3	PPSU	5	10



PRESS T-CONNECTOR, ENLARGED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494178937	KPFT162016	16 x 2 - 20 x 2 - 16 x 2	PPSU	10	50
4260494178975	KPFT202620	20 x 2 - 26 x 3 - 20 x 2	PPSU	5	20



PRESS REDUCED T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494178944	KPFT201616	20 x 2 - 16 x 2 - 16 x 2	PPSU	10	50
4260494178968	KPFT202016	20 x 2 - 20 x 2 - 16 x 2	PPSU	10	50
4260494178982	KPFT261620	26 x 3 - 16 x 2 - 20 x 2	PPSU	5	20
4260494179002	KPFT262016	26 x 3 - 20 x 2 - 16 x 2	PPSU	5	20
4260494179019	KPFT262020	26 x 3 - 20 x 2 - 20 x 2	PPSU	5	20
4260494179033	KPFT262616	26 x 3 - 26 x 3 - 16 x 2	PPSU	5	20
4260494179040	KPFT262620	26 x 3 - 26 x 3 - 20 x 2	PPSU	5	20
4260494179071	KPFT322626	32 x 3 - 26 x 3 - 26 x 3	PPSU	5	20

PRESS T-CONNECTOR REDUCED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494178951	KPFT201620	20 x 2 - 16 x 2 - 20 x 2	PPSU	10	50
4260494178999	KPFT261626	26 x 3 - 16 x 2 - 26 x 3	PPSU	5	20
4260494179026	KPFT262026	26 x 3 - 20 x 2 - 26 x 3	PPSU	5	20
4260494179057	KPFT321632	32 x 3 - 16 x 2 - 32 x 3	PPSU	5	20
4260494179064	KPFT322032	32 x 3 - 20 x 2 - 32 x 3	PPSU	5	20
4260494179088	KPFT322632	32 x 3 - 26 x 3 - 32 x 3	PPSU	5	20

PRESS COUPLING



GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494175059	KPFK1616	16 x 2 - 16 x 2	PPSU	10	100
4260494175073	KPFK2020	20 x 2 - 20 x 2	PPSU	10	80
4260494175097	KPFK2626	26 x 3 - 26 x 3	PPSU	5	50
4260494175110	KPFK3232	32 x 3 - 32 x 3	PPSU	5	30

PRESS REDUCED COUPLING

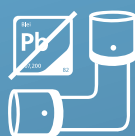


GTIN NO. (EAN)	ITEM NO.	SIZE	MATERIAL		
4260494175066	KPFK2016	20 x 2 - 16 x 2	PPSU	10	80
4260494175080	KPFK2620	26 x 3 - 20 x 2	PPSU	5	50
4260494175103	KPFK3226	32 x 3 - 26 x 3	PPSU	5	50

MORE OPTIONS STARTING IN 2027

The PIPETEC PPSU product range will be expanded in 2027 to include numerous additional fittings.





PIPETEC®

PRESSFITTINGS ECO



● Lead-free

Ready for the European
Drinking Water Directive 2024



● Extensive portfolio



● Easy to use



● Break-proof

by additional reinforcements



● LBP – Leak before pressed feature dimensions 16-32mm



● TH- and U-Pressprofile 16-32 mm



● Resealable carton box

Also available in our
new ECO-BOX



● REACH compliant



● Dezincification resistant



● Bags

made from 50% recycled material





PIPETEC

PRESSFITTINGS ECO

Product catalog 2026



► AREAS OF APPLICATION

- Drinking water installations
- Underfloor/wall heating
- Underfloor/wall cooling
- Radiator connection
- Oil-free compressed air up to 10 bar

► CERTIFICATIONS

- DVGW
- IMA
- KIWA
- ÜA
- Ö-NORM
- EN ISO 21003



**VIDEO
INSTALLATION INSTRUCTIONS**



PRESS FITTINGS ECO

► ADVANTAGES

- Very good resistance coefficient (zeta) for lower pressure loss
- Unobstructed passage and virtually no flow noise
- All materials are safe for use with drinking water and are on the UBA positive list
- Two O-rings for optimal safety
- Strong plastic guide ring for secure press fittings even in confined spaces
- Three inspection windows in the stainless steel sleeve for checking the depth of insertion
- The forced leakage of the system ensures that connections that have not been pressed can be located even during the pressure test (Dimension 16-32 mm)

► PROPERTIES

- DVGW DW-8501BS5049
- KIWA certificate K98456/01
- Durability: 10 bar / 70°C / 50 years
- Maximum operating temperature 95°C
- TH press contour (up to 63 mm) and U contour (up to 32 mm)
- Leak-before-press feature (dimensions 16-32 mm)
- EN 10226-1 thread
- Brass: CW724R



PRESS CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509822	ECOPFUA1603	16 x 2 - 3/8"	80
4255750506289	ECOPFUA1604	16 x 2 - 1/2"	60
4255750506296	ECOPFUA2004	20 x 2 - 1/2"	60
4255750506302	ECOPFUA2005	20 x 2 - 3/4"	50
4255750506319	ECOPFUA2605	26 x 3 - 3/4"	25
4255750506326	ECOPFUA2606	26 x 3 - 1"	25
4255750506333	ECOPFUA3206	32 x 3 - 1"	15
4255750506340	ECOPFUA3207	32 x 3 - 1 1/4"	15
4255750506357	ECOPFUA4006	40 x 3,5 - 1"	10
4255750506364	ECOPFUA4007	40 x 3,5 - 1 1/4"	10
4255750506371	ECOPFUA5008	50 x 4 - 1 1/2"	5
4255750514093	ECOPFUA5009	50 x 4 - 2"	5
4255750506388	ECOPFUA6309	63 x 4,5 - 2"	2



PRESS CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506395	ECOPFUI1604	16 x 2 - 1/2"	60
4255750506401	ECOPFUI2004	20 x 2 - 1/2"	60
4255750506418	ECOPFUI2005	20 x 2 - 3/4"	45
4255750506425	ECOPFUI2605	26 x 3 - 3/4"	25
4255750506432	ECOPFUI2606	26 x 3 - 1"	25
4255750506449	ECOPFUI3206	32 x 3 - 1"	15
4255750506456	ECOPFUI3207	32 x 3 - 1 1/4"	15
4255750506463	ECOPFUI4006	40 x 3,5 - 1"	10
4255750506470	ECOPFUI4007	40 x 3,5 - 1 1/4"	10
4255750506487	ECOPFUI5008	50 x 4 - 1 1/2"	5
4255750506494	ECOPFUI6309	63 x 4,5 - 2"	2



PRESS ELBOW 90°



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509518	ECOPFW1616	16 x 2	40
4255750509525	ECOPFW2020	20 x 2	30
4255750509532	ECOPFW2626	26 x 3	20
4255750509549	ECOPFW3232	32 x 3	10
4255750506623	ECOPFW4040	40 x 3,5	10
4255750506630	ECOPFW5050	50 x 4	5
4255750506647	ECOPFW6363	63 x 4,5	2



PRESS ELBOW 45°



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506739	ECOPFWH2626	26 x 3	20
4255750506746	ECOPFWH3232	32 x 3	10
4255750506753	ECOPFWH4040	40 x 3,5	10
4255750506760	ECOPFWH5050	50 x 4	5
4255750506777	ECOPFWH6363	63 x 4,5	2



PRESS ELBOW WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506654	ECOPFWA1604	16 x 2 - 1/2"	40
4255750506661	ECOPFWA2004	20 x 2 - 1/2"	40
4255750506678	ECOPFWA2005	20 x 2 - 3/4"	30
4255750506685	ECOPFWA2605	26 x 3 - 3/4"	20
4255750506692	ECOPFWA3206	32 x 3 - 1"	10
4255750506708	ECOPFWA4007	40 x 3,5 - 1 1/4"	10



PRESS ELBOW WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506784	ECOPFWI1604	16 x 2 - 1/2"	40
4255750506791	ECOPFWI2004	20 x 2 - 1/2"	40
4255750506807	ECOPFWI2005	20 x 2 - 3/4"	30
4255750506814	ECOPFWI2605	26 x 3 - 3/4"	20
4255750506821	ECOPFWI3206	32 x 3 - 1"	10
4255750506838	ECOPFWI4007	40 x 3,5 - 1 1/4"	10



PRESS T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509556	ECOPFT161616	16 x 2	25
4255750509563	ECOPFT202020	20 x 2	20
4255750509570	ECOPFT262626	26 x 3	10
4255750509587	ECOPFT323232	32 x 3	5
4255750509578	ECOPFT404040	40 x 3,5	5
4255750506036	ECOPFT505050	50 x 4	2
4255750506067	ECOPFT636363	63 x 4,5	2

PRESS T-CONNECTOR, ENLARGED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509594	ECOPFT162016	16 x 2 - 20 x 2 - 16 x 2	25
4255750509600	ECOPFT202620	20 x 2 - 26 x 3 - 20 x 2	10
4255750505886	ECOPFT263226	26 x 3 - 32 x 3 - 26 x 3	10

PRESS REDUCED T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509617	ECOPFT201616	20 x 2 - 16 x 2 - 16 x 2	25
4255750509624	ECOPFT202016	20 x 2 - 20 x 2 - 16 x 2	25
4255750509631	ECOPFT261620	26 x 3 - 16 x 2 - 20 x 2	10
4255750509648	ECOPFT262016	26 x 3 - 20 x 2 - 16 x 2	10
4255750509655	ECOPFT262020	26 x 3 - 20 x 2 - 20 x 2	10
4255750509662	ECOPFT262616	26 x 3 - 26 x 3 - 16 x 2	10
4255750509679	ECOPFT262620	26 x 3 - 26 x 3 - 20 x 2	10
4255750505893	ECOPFT322026	32 x 3 - 20 x 2 - 26 x 3	10
4255750509686	ECOPFT322626	32 x 3 - 26 x 3 - 26 x 3	10
4255750505909	ECOPFT323226	32 x 3 - 32 x 3 - 26 x 3	10
4255750505923	ECOPFT402632	40 x 3,5 - 26 x 3 - 32 x 3	5
4255750505947	ECOPFT403232	40 x 3,5 - 32 x 3 - 32 x 3	5
4255750505961	ECOPFT404032	40 x 3,5 - 40 x 3,5 - 32 x 3	5
4255750506005	ECOPFT504040	50 x 4 - 40 x 3,5 - 40 x 3,5	2
4255750506029	ECOPFT505040	50 x 4 - 50 x 4 - 40 x 3,5	2



PRESS T-CONNECTOR REDUCED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509693	ECOPFT201620	20 x 2 - 16 x 2 - 20 x 2	25
4255750509709	ECOPFT261626	26 x 3 - 16 x 2 - 26 x 3	10
4255750509716	ECOPFT262026	26 x 3 - 20 x 2 - 26 x 3	10
4255750509723	ECOPFT321632	32 x 3 - 16 x 2 - 32 x 3	10
4255750509730	ECOPFT322032	32 x 3 - 20 x 2 - 32 x 3	10
4255750509747	ECOPFT322632	32 x 3 - 26 x 3 - 32 x 3	10
4255750505916	ECOPFT402040	40 x 3,5 - 20 x 2 - 40 x 3,5	5
4255750505930	ECOPFT402640	40 x 3,5 - 26 x 3 - 40 x 3,5	5
4255750505954	ECOPFT403240	40 x 3,5 - 32 x 3 - 40 x 3,5	5
4255750505985	ECOPFT502650	50 x 4 - 26 x 3 - 50 x 4	2
4255750505992	ECOPFT503250	50 x 4 - 32 x 3 - 50 x 4	2
4255750506012	ECOPFT504050	50 x 4 - 40 x 3,5 - 50 x 4	2
4255750506043	ECOPFT634063	63 x 4,5 - 40 x 3,5 - 63 x 4,5	2
4255750506050	ECOPFT635063	63 x 4,5 - 50 x 4 - 63 x 4,5	2



PRESS T-CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506166	ECOPFT1160416	16 x 2 - 1/2" - 16 x 2	25
4255750506173	ECOPFT1200420	20 x 2 - 1/2" - 20 x 2	20
4255750506180	ECOPFT1200520	20 x 2 - 3/4" - 20 x 2	20
4255750506197	ECOPFT1260426	26 x 3 - 1/2" - 26 x 3	10
4255750506203	ECOPFT1260526	26 x 3 - 3/4" - 26 x 3	10
4255750506210	ECOPFT1320432	32 x 3 - 1/2" - 32 x 3	10
4255750506227	ECOPFT1320532	32 x 3 - 3/4" - 32 x 3	10
4255750506234	ECOPFT1320632	32 x 3 - 1" - 32 x 3	10
4255750506241	ECOPFT1400640	40 x 3,5 - 1" - 40 x 3,5	5
4255750506258	ECOPFT1400740	40 x 3,5 - 1 1/4" - 40 x 3,5	5
4255750506265	ECOPFT1500750	50 x 4 - 1 1/4" - 50 x 4	2
4255750506272	ECOPFT1500850	50 x 4 - 1 1/2" - 50 x 4	2

PRESS T-CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506074	ECOPFTA160416	16 x 2 - ½" - 16 x 2	25
4255750506081	ECOPFTA200420	20 x 2 - ½" - 20 x 2	20
4255750506098	ECOPFTA200520	20 x 2 - ¾" - 20 x 2	20
4255750506104	ECOPFTA260426	26 x 3 - ½" - 26 x 3	10
4255750506111	ECOPFTA260526	26 x 3 - ¾" - 26 x 3	10
4255750506128	ECOPFTA260626	26 x 3 - 1" - 26 x 3	10
4255750506135	ECOPFTA320532	32 x 3 - ¾" - 32 x 3	10
4255750506142	ECOPFTA320632	32 x 3 - 1" - 32 x 3	10

PRESS COUPLING



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509754	ECOPFK1616	16 x 2 - 16 x 2	50
4255750509761	ECOPFK2020	20 x 2 - 20 x 2	40
4255750509778	ECOPFK2626	26 x 3 - 26 x 3	25
4255750509785	ECOPFK3232	32 x 3 - 32 x 3	15
4255750505770	ECOPFK4040	40 x 3,5 - 40 x 3,5	15
4255750505800	ECOPFK5050	50 x 4 - 50 x 4	5
4255750505831	ECOPFK6363	63 x 4,5 - 63 x 4,5	2

PRESS REDUCED COUPLING



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750509792	ECOPFK2016	20 x 2 - 16 x 2	40
4255750505725	ECOPFK2616	26 x 3 - 16 x 2	25
4255750509808	ECOPFK2620	26 x 3 - 20 x 2	25
4255750505732	ECOPFK3216	32 x 3 - 16 x 2	25
4255750505749	ECOPFK3220	32 x 3 - 20 x 2	25
4255750509815	ECOPFK3226	32 x 3 - 26 x 3	25
4255750505756	ECOPFK4026	40 x 3,5 - 26 x 3	15
4255750505763	ECOPFK4032	40 x 3,5 - 32 x 3	15
4255750505787	ECOPFK5032	50 x 4 - 32 x 3	5
4255750505794	ECOPFK5040	50 x 4 - 40 x 3,5	5
4255750505817	ECOPFK6340	63 x 4,5 - 40 x 3,5	2
4255750505824	ECOPFK6350	63 x 4,5 - 50 x 4	2





PIPETEC

PRESSFITTINGS ECO

Product catalog 2026

PRESS END PLUG



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750505848	ECOPFS16	16 x 2	75
4255750505855	ECOPFS20	20 x 2	75
4255750505862	ECOPFS26	26 x 3	50
4255750505879	ECOPFS32	32 x 3	30

PRESS WALL ELBOW



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506845	ECOPFWWK1604	16 x 2 - ½" - 39 mm	25
4255750506876	ECOPFWWM1604	16 x 2 - ½" - 52 mm	20
4255750506852	ECOPFWWL1604	16 x 2 - ½" - 78 mm	15
4255750506883	ECOPFWWM2004	20 x 2 - ½" - 52 mm	20
4255750506869	ECOPFWWL2004	20 x 2 - ½" - 78 mm	15
4255750506890	ECOPFWWM2005	20 x 2 - ¾" - 52 mm	15
4255750506906	ECOPFWWM2605	26 x 3 - ¾" - 52 mm	15

PRESS WALL ELBOW – DOUBLE – U-SHAPED CURVED



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506913	ECOPFWWUSA1604	16 x 2 - ½" - 16 x 2	5
4255750506920	ECOPFWWUSA2004	20 x 2 - ½" - 20 x 2	5

i Cannot be pressed with HPZTH1632 manual press tool!

PRESS WALL BUSHING WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506715	ECOPFWDF1604	16 x 2 mm - ½"	10
4255750506722	ECOPFWDF2004	20 x 2 mm - ½"	10



PRESS TOILET CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506159	ECOPFTC16	16 x 2 mm - ½"	15



PRESS CONNECTOR SCREW CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750506500	ECOPFV1604	16 x 2 - ½"	50
4255750506517	ECOPFV1605	16 x 2 - ¾"	50
4255750506524	ECOPFV2004	20 x 2 - ½"	40
4255750506531	ECOPFV2005	20 x 2 - ¾"	40
4255750506548	ECOPFV2006	20 x 2 - 1"	30
4255750506555	ECOPFV2605	26 x 3 - ¾"	25
4255750506562	ECOPFV2606	26 x 3 - 1"	25
4255750506579	ECOPFV3206	32 x 3 - 1"	15
4255750506586	ECOPFV3207	32 x 3 - 1 ¼"	15
4255750506593	ECOPFV3208	32 x 3 - 1 ½"	15
4255750506609	ECOPFV4007	40 x 3,5 - 1 ¼"	10
4255750506616	ECOPFV4008	40 x 3,5 - 1 ½"	10



PRESS CONNECTOR ON COPPER PIPE

PRESS CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE	
4255750514048	ECOPFUEK1610P	16 x 2 - 10 mm	50
4255750509839	ECOPFUEK1612P	16 x 2 - 12 mm	50
4255750509846	ECOPFUEK1615P	16 x 2 - 15 mm	50
4255750509853	ECOPFUEK2015P	20 x 2 - 15 mm	50
4255750509860	ECOPFUEK2018P	20 x 2 - 18 mm	50
4255750514055	ECOPFUEK2022P	20 x 2 - 22 mm	50
4255750514062	ECOPFUEK2622P	26 x 3 - 22 mm	25
4255750514079	ECOPFUEK2628P	26 x 3 - 28 mm	25
4255750514086	ECOPFUEK3228P	32 x 3 - 28 mm	25



PIPETEC®

PRESS FITTINGS





PRESS FITTINGS

► ADVANTAGES

- Very good resistance coefficient (zeta) for lower pressure loss
- Unobstructed passage and virtually no flow noise
- All materials are safe for use with drinking water and are on the UBA positive list
- Two O-rings for optimal safety
- Strong plastic guide ring for secure press fittings even in confined spaces
- Three inspection windows in the stainless steel sleeve for checking the depth of insertion
- The forced leakage of the system ensures that connections that have not been pressed can be located even during the pressure test (Dimension 16-32 mm)

► PROPERTIES

- DVGW DW-8501BS5049
- KIWA certificate K98456/01
- Durability: 10 bar / 70°C / 50 years
- Maximum operating temperature 95°C
- TH press contour (up to 63 mm) and U contour (up to 32 mm)
- Leak before pressed feature (dimensions 16-32 mm)
- EN 10226-1 thread
- Brass: CW617N / CW510L
- Bag made from 50% recycled material



**VIDEO
INSTALLATION INSTRUCTIONS**

► AREAS OF APPLICATION

- Drinking water installations
- Underfloor/wall heating
- Underfloor/wall cooling
- Radiator connection
- Oil-free compressed air up to 10 bar

► CERTIFICATIONS

- DVGW
- IMA
- KIWA
- ÜA
- Ö-NORM
- EN ISO 21003
- GOST
- HYGIENE CERTIFICATE



PRESS CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494170948	PFUA1604	16 x 2 - 1/2"	10	120
4260494170955	PFUA1605	16 x 2 - 3/4"	10	120
4260494170962	PFUA2004	20 x 2 - 1/2"	10	120
4260494170979	PFUA2005	20 x 2 - 3/4"	10	100
4260494170986	PFUA2006	20 x 2 - 1"	10	80
4260494170993	PFUA2604	26 x 3 - 1/2"	5	50
4260494171006	PFUA2605	26 x 3 - 3/4"	5	50
4260494171013	PFUA2606	26 x 3 - 1"	5	50
4260494171020	PFUA3206	32 x 3 - 1"	5	30
4260494171037	PFUA3207	32 x 3 - 1 1/4"	5	30
4260494171044	PFUA4006	40 x 3.5 - 1"	1	20
4260494171051	PFUA4007	40 x 3.5 - 1 1/4"	1	20
4260494171068	PFUA5007	50 x 4 - 1 1/4"	1	10
4260494171075	PFUA5008	50 x 4 - 1 1/2"	1	10
4260494171082	PFUA6309	63 x 4.5 - 2"	1	5



PRESS CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171167	PFUI1604	16 x 2 - 1/2"	10	120
4260494171174	PFUI1605	16 x 2 - 3/4"	10	120
4260494171181	PFUI2004	20 x 2 - 1/2"	10	120
4260494171198	PFUI2005	20 x 2 - 3/4"	10	100
4260494171204	PFUI2605	26 x 3 - 3/4"	5	50
4260494171211	PFUI2606	26 x 3 - 1"	5	50
4260494171228	PFUI3206	32 x 3 - 1"	5	30
4260494171235	PFUI3207	32 x 3 - 1 1/4"	5	30
4260494171242	PFUI4006	40 x 3.5 - 1"	1	20
4260494171259	PFUI4007	40 x 3.5 - 1 1/4"	1	20
4260494171266	PFUI4008	40 x 3.5 - 1 1/2"	1	20
4260494171273	PFUI5007	50 x 4 - 1 1/4"	1	10
4260494171280	PFUI5008	50 x 4 - 1 1/2"	1	10
4260494171297	PFUI6309	63 x 4.5 - 2"	1	5



PRESS ELBOW 90°



GTIN-NO. (EAN)	ITEM NO.	SIZE		
4260494171099	PFW1616	16 x 2	10	80
4260494171105	PFW2020	20 x 2	10	60
4260494171112	PFW2626	26 x 3	5	40
4260494171129	PFW3232	32 x 3	5	20
4260494171136	PFW4040	40 x 3,5	1	15
4260494171143	PFW5050	50 x 4	1	10
4260494171150	PFW6363	63 x 4,5	1	5



PRESS ELBOW 45°



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171525	PFWH2626	26 x 3	5	40
4260494171532	PFWH3232	32 x 3	5	20
4260494171549	PFWH4040	40 x 3.5	1	20
4260494171556	PFWH5050	50 x 4	1	10
4260494171563	PFWH6363	63 x 4.5	1	5



PRESS ELBOW WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171303	PFWA1604	16 x 2 - 1/2"	10	80
4260494171310	PFWA1605	16 x 2 - 3/4"	10	80
4260494171327	PFWA2004	20 x 2 - 1/2"	10	80
4260494171334	PFWA2005	20 x 2 - 3/4"	10	60
4260494171341	PFWA2605	26 x 3 - 3/4"	5	40
4260494171358	PFWA2606	26 x 3 - 1"	5	40
4260494171365	PFWA3206	32 x 3 - 1"	5	20
4260494171372	PFWA4007	40 x 3.5 - 1 1/4"	1	15
4260494171389	PFWA5007	50 x 4 - 1 1/4"	1	10
4260494171396	PFWA5008	50 x 4 - 1 1/2"	1	10
4260494171402	PFWA6309	63 x 4.5 - 2"	1	5



PRESS ELBOW WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171419	PFWI1604	16 x 2 - 1/2"	10	80
4260494171426	PFWI1605	16 x 2 - 3/4"	10	80
4260494171433	PFWI2004	20 x 2 - 1/2"	10	80
4260494171440	PFWI2005	20 x 2 - 3/4"	10	60
4260494171457	PFWI2605	26 x 3 - 3/4"	5	40
4260494171464	PFWI2606	26 x 3 - 1"	5	40
4260494171471	PFWI3206	32 x 3 - 1"	5	20
4260494171488	PFWI4007	40 x 3.5 - 1 1/4"	1	15
4260494171495	PFWI5007	50 x 4 - 1 1/4"	1	10
4260494171501	PFWI5008	50 x 4 - 1 1/2"	1	10
4260494171518	PFWI6309	63 x 4.5 - 2"	1	5



PRESS T-CONNECTOR



GTIN-NO. (EAN)	ITEM NO.	SIZE		
4260494171570	PFT161616	16 x 2	10	50
4260494171587	PFT202020	20 x 2	10	40
4260494171594	PFT262626	26 x 3	5	20
4260494171600	PFT323232	32 x 3	5	10
4260494171617	PFT404040	40 x 3,5	1	10
4260494171624	PFT505050	50 x 4	1	5
4260494171631	PFT636363	63 x 4,5	1	5



PRESS T-CONNECTOR, ENLARGED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171648	PFT162016	16 x 2 - 20 x 2 - 16 x 2	10	50
4260494171655	PFT202620	20 x 2 - 26 x 3 - 20 x 2	5	20
4260494171662	PFT263226	26 x 3 - 32 x 3 - 26 x 3	5	20
4260494171679	PFT324032	32 x 3 - 40 x 3,5 - 32 x 3	1	10



PRESS REDUCED T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171839	PFT201616	20 x 2 - 16 x 2 - 16 x 2	10	50
4260494171846	PFT202016	20 x 2 - 20 x 2 - 16 x 2	10	50
4260494171853	PFT261620	26 x 3 - 16 x 2 - 20 x 2	5	20
4260494171860	PFT262016	26 x 3 - 20 x 2 - 16 x 2	5	20
4260494171877	PFT262020	26 x 3 - 20 x 2 - 20 x 2	5	20
4260494171884	PFT262616	26 x 3 - 26 x 3 - 16 x 2	5	20
4260494171891	PFT262620	26 x 3 - 26 x 3 - 20 x 2	5	20
4260494171907	PFT322020	32 x 3 - 20 x 2 - 20 x 2	5	20
4260494171914	PFT322026	32 x 3 - 20 x 2 - 26 x 3	5	20
4260494171921	PFT322626	32 x 3 - 26 x 3 - 26 x 3	5	20
4260494171938	PFT323220	32 x 3 - 32 x 3 - 20 x 2	5	20
4260494171945	PFT323226	32 x 3 - 32 x 3 - 26 x 3	5	20
4260494171952	PFT402632	40 x 3.5 - 26 x 3 - 32 x 3	1	10
4260494171969	PFT403232	40 x 3.5 - 32 x 3 - 32 x 3	1	10
4260494171976	PFT404026	40 x 3.5 - 40 x 3.5 - 26 x 3	1	10
4260494171983	PFT404032	40 x 3.5 - 40 x 3.5 - 32 x 3	1	10
4260494171990	PFT503240	50 x 4 - 32 x 3 - 40 x 3.5	1	10
4260494172003	PFT504040	50 x 4 - 40 x 3.5 - 40 x 3.5	1	5
4260494172010	PFT505032	50 x 4 - 50 x 4 - 32 x 3	1	5
4260494172027	PFT505040	50 x 4 - 50 x 4 - 40 x 3.5	1	5
4260494172034	PFT634050	63 x 4.5 - 40 x 3.5 - 50 x 4	1	5
4260494172041	PFT635050	63 x 4.5 - 50 x 4 - 50 x 4	1	5
4260494172058	PFT636340	63 x 4.5 - 63 x 4.5 - 40 x 3.5	1	5
4260494172065	PFT636350	63 x 4.5 - 63 x 4.5 - 50 x 4	1	5



PRESS T-CONNECTOR REDUCED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494171686	PFT201620	20 x 2 - 16 x 2 - 20 x 2	10	50
4260494171693	PFT261626	26 x 3 - 16 x 2 - 26 x 3	5	20
4260494171709	PFT262026	26 x 3 - 20 x 2 - 26 x 3	5	20
4260494171716	PFT321632	32 x 3 - 16 x 2 - 32 x 3	5	20
4260494171723	PFT322032	32 x 3 - 20 x 2 - 32 x 3	5	20
4260494171730	PFT322632	32 x 3 - 26 x 3 - 32 x 3	5	20
4260494171747	PFT402040	40 x 3.5 - 20 x 2 - 40 x 3.5	1	10
4260494171754	PFT402640	40 x 3.5 - 26 x 3 - 40 x 3.5	1	10
4260494171761	PFT403240	40 x 3.5 - 32 x 3 - 40 x 3.5	1	10
4260494171778	PFT502650	50 x 4 - 26 x 3 - 50 x 4	1	5
4260494171785	PFT503250	50 x 4 - 32 x 3 - 50 x 4	1	5
4260494171792	PFT504050	50 x 4 - 40 x 3.5 - 50 x 4	1	5
4260494171808	PFT633263	63 x 4.5 - 32 x 3 - 63 x 4.5	1	5
4260494171815	PFT634063	63 x 4.5 - 40 x 3.5 - 63 x 4.5	1	5
4260494171822	PFT635063	63 x 4.5 - 50 x 4 - 63 x 4.5	1	5



PRESS T-CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172072	PFTI160416	16 x 2 - 1/2" - 16 x 2	10	50
4260494172089	PFTI200420	20 x 2 - 1/2" - 20 x 2	10	40
4260494172096	PFTI200520	20 x 2 - 3/4" - 20 x 2	10	40
4260494172102	PFTI260426	26 x 3 - 1/2" - 26 x 3	5	20
4260494172119	PFTI260526	26 x 3 - 3/4" - 26 x 3	5	20
4260494172126	PFTI320432	32 x 3 - 1/2" - 32 x 3	5	20
4260494172133	PFTI320532	32 x 3 - 3/4" - 32 x 3	5	20
4260494172140	PFTI320632	32 x 3 - 1" - 32 x 3	5	15
4260494172157	PFTI320732	32 x 3 - 1 1/4" - 32 x 3	1	15
4260494172164	PFTI400640	40 x 3.5 - 1" - 40 x 3.5	1	10
4260494172171	PFTI400740	40 x 3.5 - 1 1/4" - 40 x 3.5	1	10
4260494172188	PFTI500750	50 x 4 - 1 1/4" - 50 x 4	1	5
4260494172195	PFTI500850	50 x 4 - 1 1/2" - 50 x 4	1	5
4260494172201	PFTI630663	63 x 4.5 - 1" - 63 x 4.5	1	5
4260494172218	PFTI630863	63 x 4.5 - 1 1/2" - 63 x 4.5	1	5

PRESS T-CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172225	PFTA160416	16 x 2 - 1/2" - 16 x 2	10	50
4260494172232	PFTA200420	20 x 2 - 1/2" - 20 x 2	10	40
4260494172249	PFTA200520	20 x 2 - 3/4" - 20 x 2	10	40
4260494172256	PFTA260426	26 x 3 - 1/2" - 26 x 3	5	20
4260494172263	PFTA260526	26 x 3 - 3/4" - 26 x 3	5	20
4260494172270	PFTA260626	26 x 3 - 1" - 26 x 3	5	20
4260494172287	PFTA320532	32 x 3 - 3/4" - 32 x 3	5	20
4260494172294	PFTA320632	32 x 3 - 1" - 32 x 3	5	15
4260494172300	PFTA320732	32 x 3 - 1 1/4" - 32 x 3	1	15
4260494172317	PFTA400640	40 x 3.5 - 1" - 40 x 3.5	1	10
4260494172324	PFTA500750	50 x 4 - 1 1/4" - 50 x 4	1	5
4260494172331	PFTA500850	50 x 4 - 1 1/2" - 50 x 4	1	5
4260494172348	PFTA630963	63 x 4.5 - 2" - 63 x 4.5	1	5

PRESS COUPLING



GTIN-NO. (EAN)	ITEM NO.	SIZE		
4260494172355	PFK1616	16 x 2 - 16 x 2	10	100
4260494172362	PFK2020	20 x 2 - 20 x 2	10	80
4260494172379	PFK2626	26 x 3 - 26 x 3	5	50
4260494172386	PFK3232	32 x 3 - 32 x 3	5	30
4260494172393	PFK4040	40 x 3.5 - 40 x 3.5	1	30
4260494172409	PFK5050	50 x 4 - 50 x 4	1	10
4260494172416	PFK6363	63 x 4.5 - 63 x 4.5	1	5



PRESS REDUCED COUPLING



GTIN-NO. (EAN)	ITEM NO.	SIZE		
4260494172423	PFK2016	20 x 2 - 16 x 2	10	80
4260494172430	PFK2616	26 x 3 - 16 x 2	5	50
4260494172447	PFK2620	26 x 3 - 20 x 2	5	50
4260494172454	PFK3216	32 x 3 - 16 x 2	5	50
4260494172461	PFK3220	32 x 3 - 20 x 2	5	50
4260494172478	PFK3226	32 x 3 - 26 x 3	5	50
4260494172485	PFK4026	40 x 3,5 - 26 x 3	1	30
4260494172492	PFK4032	40 x 3,5 - 32 x 3	1	30
4260494172508	PFK5032	50 x 4 - 32 x 3	1	10
4260494172515	PFK5040	50 x 4 - 40 x 3,5	1	10
4260494172522	PFK6340	63 x 4,5 - 40 x 3,5	1	10
4260494172539	PFK6350	63 x 4,5 - 50 x 4	1	10

PRESS END PLUG



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172614	PFS16	16 x 2	10	150
4260494172621	PFS20	20 x 2	10	150
4260494172638	PFS26	26 x 3	5	100
4260494172645	PFS32	32 x 3	5	60
4260494172652	PFS40	40 x 3.5	1	40
4260494172669	PFS50	50 x 4	1	30
4260494172676	PFS63	63 x 4.5	1	10



PRESS WALL ELBOW



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175332	PFWWK1603	16 x 2 - 3/8" - 39 mm	10	30
4260494172546	PFWWK1604	16 x 2 - 1/2" - 39 mm	10	50
4260494172553	PFWWM1604	16 x 2 - 1/2" - 52 mm	10	40
4260494172560	PFWWL1604	16 x 2 - 1/2" - 78 mm	5	25
4260494172577	PFWWM2004	20 x 2 - 1/2" - 52 mm	10	40
4260494172584	PFWWL2004	20 x 2 - 1/2" - 78 mm	5	25
4260494172591	PFWWM2005	20 x 2 - 3/4" - 52 mm	10	30
4260494172607	PFWWM2605	26 x 3 - 3/4" - 52 mm	5	25



PRESS WALL ELBOW – DOUBLE – V-SHAPED



GTIN NO. (EAN)	ITEM NO.	SIZE	ELBOW α		
4260494172683	PFWWD160416	16 x 2 - 1/2" - 16 x 2	90°	5	20
4260494172690	PFWWD200420	20 x 2 - 1/2" - 20 x 2	90°	5	20

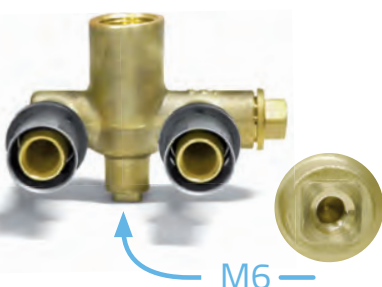


PRESS WALL ELBOW – DOUBLE – SERIES SHAPED



GTIN NO. (EAN)	ITEM NO.	SIZE	ELBOW α		
4260494172706	PFWWS160416	16 x 2 - 1/2" - 16 x 2	165°	5	20
4260494172713	PFWWS200420	20 x 2 - 1/2" - 20 x 2	165°	5	20

Cannot be pressed with HP2TH1632 manual jointing gripper!



PRESS WALL ELBOW – DOUBLE – U-SHAPED



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172720	PFWWU160416	16 x 2 - 1/2" - 16 x 2	5	15
4260494172737	PFWWU200420	20 x 2 - 1/2" - 20 x 2	5	15

Cannot be pressed with HP2TH1632 manual jointing gripper!



PRESS WALL ELBOW – DOUBLE – U-SHAPED CURVED



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494178593	PFWWUSA160416	16 x 2 - 1/2" - 16 x 2	5	15
4260494178609	PFWWUSA200420	20 x 2 - 1/2" - 20 x 2	5	15

Cannot be pressed with HP2TH1632 manual jointing gripper!



PRESS WALL BUSHING WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175288	PFWDF1604	16 x 2 mm - 1/2"	1	20
4260494175295	PFWDF2004	20 x 2 mm - 1/2"	1	20



PRESS TOILET CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175325	PFTC16	16 x 2 mm - 1/2"	1	30



PRESS CONNECTOR SCREW CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172744	PFV1604	16 x 2 - 1/2"	10	100
4260494172751	PFV1605	16 x 2 - 3/4"	10	100
4260494172768	PFV2004	20 x 2 - 1/2"	10	80
4260494172775	PFV2005	20 x 2 - 3/4"	10	80
4260494172782	PFV2006	20 x 2 - 1"	10	60
4260494172799	PFV2008	20 x 2 - 1 1/2"	10	30
4260494172805	PFV2605	26 x 3 - 3/4"	5	50
4260494172812	PFV2606	26 x 3 - 1"	5	50
4260494172829	PFV2608	26 x 3 - 1 1/2"	5	30
4260494172836	PFV3206	32 x 3 - 1"	5	30
4260494172843	PFV3207	32 x 3 - 1 1/4"	5	30
4260494172850	PFV3208	32 x 3 - 1 1/2"	5	30
4260494172867	PFV4007	40 x 3.5 - 1 1/4"	1	15
4260494172874	PFV4008	40 x 3.5 - 1 1/2"	1	15
4260494172881	PFV5009	50 x 4 - 2"	1	10
4260494172898	PFV6310	63 x 4.5 - 2 1/2"	1	10



PRESS CONNECTOR SCREW CONNECTOR WITH EUROCONE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172904	PFV1605EK	16 x 2 - 3/4"	10	100
4260494172911	PFV2005EK	20 x 2 - 3/4"	10	80



PRESS CONNECTOR SCREW CONNECTOR WITH EUROCONE THREAD, NICKEL-PLATED

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175264	PFV1605EKNI	16 x 2 - 3/4"	10	50
4260494175271	PFV2005EKNI	20 x 2 - 3/4"	10	50



PRESS CONNECTOR SCREW CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494172928	PFV1604IG	16 x 2 - 1/2"	10	100
4260494172935	PFV1605IG	16 x 2 - 3/4"	10	100
4260494172942	PFV2004IG	20 x 2 - 1/2"	10	80
4260494172959	PFV2005IG	20 x 2 - 3/4"	10	80
4260494172966	PFV2605IG	26 x 3 - 3/4"	5	50
4260494172973	PFV2606IG	26 x 3 - 1"	5	50
4260494172980	PFV3206IG	32 x 3 - 1"	5	30
4260494172997	PFV3207IG	32 x 3 - 1 1/4"	5	30



PRESS CONNECTOR SCREW CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173000	PFV1604AG	16 x 2 - 1/2"	10	100
4260494173017	PFV1605AG	16 x 2 - 3/4"	10	100
4260494173024	PFV2004AG	20 x 2 - 1/2"	10	80
4260494173031	PFV2005AG	20 x 2 - 3/4"	10	80
4260494173048	PFV2605AG	26 x 3 - 3/4"	5	50
4260494173055	PFV2606AG	26 x 3 - 1"	5	50
4260494173062	PFV3206AG	32 x 3 - 1"	5	30
4260494173079	PFV3207AG	32 x 3 - 1 1/4"	5	30

**PRESS CONNECTOR ON COPPER PIPE**

SCREW CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173086	PFUEK1615	16 x 2 - 15 mm	10	100
4260494173093	PFUEK2018	20 x 2 - 18 mm	10	80
4260494173109	PFUEK2022	20 x 2 - 22 mm	10	60
4260494173116	PFUEK2622	26 x 3 - 22 mm	5	50
4260494173123	PFUEK2628	26 x 3 - 28 mm	5	50
4260494173130	PFUEK3228	32 x 3 - 28 mm	5	30
4260494173147	PFUEK3235	32 x 3 - 35 mm	5	30
4260494173154	PFUEK4035	40 x 3.5 - 35 mm	1	20

PRESS CONNECTOR ON COPPER PIPE, NICKEL-PLATED

PRESS CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175202	PFUEK1615NI	16 x 2 mm - 15 mm	10	50
4260494175219	PFUEK2015NI	20 x 2 mm - 15 mm	10	50
4260494175226	PFUEK2018NI	20 x 2 mm - 18 mm	10	50
4260494175233	PFUEK2022NI	20 x 2 mm - 22 mm	10	50
4260494175240	PFUEK2622NI	26 x 3 mm - 22 mm	5	50
4260494175257	PFUEK3228NI	32 x 3 mm - 28 mm	5	50

PRESS WALL ELBOW / MOUNTED ON MOUNTING PLATE

INSIDE MICROMETER 153 MM



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173161	PFWWSET1604	16 x 2 - 1/2"	1	30
4260494173178	PFWWSET2004	20 x 2 - 1/2"	1	30

PRESS WALL ELBOW / MOUNTED ON MOUNTING PLATE,

ANGLED, INSIDE MICROMETER 153 MM



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175912	PFWWSETGU16	16 x 2 - 1/2"	1	15
4260494175929	PFWWSETGU20	20 x 2 - 1/2"	1	15


PRESS WALL ELBOW / MOUNTED ON MOUNTING PLATE


GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175936	PFWWSETKU16	16 x 2 - 1/2"	1	50
4260494175943	PFWWSETKU20	20 x 2 - 1/2"	1	30


PRESS WALL ELBOW SET / MOUNTED ON MOUNTING PLATE
 153 MM WITH SOUND INSULATING KIT


GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494179118	PFWWSETMP1639SS	16 x 2 - 1/2" IG 39 mm	1	30
4260494179309	PFWWSETMP1652SS	16 x 2 - 1/2" IG 52 mm	1	30
4260494179347	PFWWSETMP2052SS	20 x 2 - 1/2" IG 52 mm	1	30


PRESS WALL ELBOW SET / MOUNTED ON MOUNTING PLATE
 ANGLED, 153 MM WITH SOUND INSULATING KIT


GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494179354	PFWWSETGU1639SS	16 x 2 - 1/2" IG 39 mm	1	15
4260494179361	PFWWSETGU1652SS	16 x 2 - 1/2" IG 52 mm	1	15
4260494179378	PFWWSETGU2052SS	20 x 2 - 1/2" IG 52 mm	1	15


MOUNTING PLATE / FOR WALL ELBOW,
 INSIDE MICROMETER 73, 80, 100, 153 MM INCL. 6 SCREWS

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173185	MP153	250 / 48 mm	1	100


MOUNTING PLATE / FOR TWO WALL ELBOWS,
 INSIDE MICROMETER 73, 80, 100, 153 MM INCL. 6 SCREWS

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175950	MPGU	385 mm	1	15


MOUNTING PLATE / FOR ONE WALL ELBOW

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175967	MPKU	228 mm, Installation depth 42 mm	1	30



STAINLESS STEEL PRESS SLEEVE



GTIN NO. (EAN)	ITEM NO.	SIZE	
4260494173192	PFH16	16 x 2	1
4260494173208	PFH20	20 x 2	1
4260494173215	PFH26	26 x 3	1
4260494173222	PFH32	32 x 3	1
4260494173239	PFH40	40 x 3,5	1
4260494173246	PFH50	50 x 4	1
4260494173253	PFH63	63 x 4,5	1



PRESS O-RING, EPDM



GTIN NO. (EAN)	ITEM NO.	SIZE	
4260494173260	PFO16	16 x 2	1
4260494173277	PFO20	20 x 2	1
4260494173284	PFO26	26 x 3	1
4260494173291	PFO32	32 x 3	1
4260494173307	PFO40	40 x 3.5	1
4260494173314	PFO50	50 x 4	1
4260494173321	PFO63	63 x 4.5	1



PRESS T-CONNECTOR, CROSS-FREE



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173338	PFKFT161616	16 x 2 - 16 x 2 - 16 x 2	1	10
4260494173345	PFKFT201616	20 x 2 - 16 x 2 - 16 x 2	1	10
4260494173352	PFKFT201620	20 x 2 - 16 x 2 - 20 x 2	1	10
4260494173369	PFKFT202020	20 x 2 - 20 x 2 - 20 x 2	1	10

 **Cannot be pressed with HPZTH1632 manual jointing gripper!**



PRESS BALL VALVE / GREEN BUTTERFLY HANDLE

PLUMBING (DVGW CERTIFICATION) – INCLUDING LEVER HANDLE



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173444	PFKU16D	16 x 2	1	20
4260494173451	PFKU20D	20 x 2	1	20
4260494173468	PFKU26D	26 x 3	1	10
4260494173475	PFKU32D	32 x 3	1	10
4260494173482	PFKU40D	40 x 3.5	1	5
4260494173499	PFKU50D	50 x 4	1	5
4260494173505	PFKU63D	63 x 4.5	1	5



PRESS BALL VALVE / RED BUTTERFLY HANDLE

HEATING (NO DVGW CERTIFICATION) – INCLUDING LEVER HANDLE / MATERIAL CW617N

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173376	PFKU16	16 x 2	1	20
4260494173383	PFKU20	20 x 2	1	20
4260494173390	PFKU26	26 x 3	1	10
4260494173406	PFKU32	32 x 3	1	10
4260494173413	PFKU40	40 x 3.5	1	5
4260494173420	PFKU50	50 x 4	1	5
4260494173437	PFKU63	63 x 4.5	1	5



SOUND INSULATION SET FOR WALL ELBOW

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494178814	PFSSSET39	39 mm	1	50
4260494173512	PFSSSET52	52 mm	1	50
4260494173529	PFSSSET78	78 mm	1	50

COMPATIBILITY OVERVIEW:

PFSSSET39	PFWWK1603, PFWWK1604, SPWWK1604, SFWW1604, SFWW2004
PFSSSET52	PFWWM1604, PFWWM2004, SPWWM1604, SPWWM2004
PFSSSET78	PFWWL1604, PFWWL2004, SPWWL1604, SPWWL2004

PRESS RADIATOR CONNECTION ELBOW, NICKEL-PLATED

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173536	PFHAW16300	16 x 2 - 15 mm - 300 mm	1	30
4260494173543	PFHAW20300	20 x 2 - 15 mm - 300 mm	1	30



PIPETEC®

PUSH FITTINGS





PUSH FITTINGS

NO PRESSING – SIMPLY PUSH!

➤ Cut ➤ Calibrate ➤ Push ➤ **DONE**

► ADVANTAGES

- **No pressing tool required**
- External sleeve made from durable high-performance PA6 plastic for maximum impact resistance
- Automatic sealing with EPDM wedge seal with large safety buffer
- Brass parts made in heavy-duty design for high assembly reliability
- Very good resistance coefficient (zeta) for lower pressure loss
- Unobstructed passage and virtually no flow noise
- All materials are safe for use with drinking water and are on the UBA positive list
- Two inspection windows to check depth of insertion

► PROPERTIES

- DVGW DW-8501DL0064
- Maximum operating temperature 95°C
- Durability: 10 bar / 70°C / 50 years
- Individually packed in bags made from 50% recycled Material
- EN 10226-1 thread
- Brass: CW617N / CW510L

► AREAS OF APPLICATION

- Drinking water installations
- Underfloor/wall heating
- Underfloor/wall cooling
- Radiator connection
- Oil-free compressed air up to 10 bar

! ► IMPORTANT

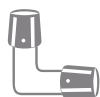
Please use only our grey K1626 calibrator for calibration!

► CERTIFICATIONS

- DVGW
- IMA
- ÜA
- EN ISO 21003



**VIDEO
INSTALLATION
INSTRUCTIONS**



PUSH-FIT CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175349	SPUA1604	16 x 2 - 1/2"	1	80
4260494175356	SPUA1605	16 x 2 - 3/4"	1	80
4260494175363	SPUA2004	20 x 2 - 1/2"	1	60
4260494175370	SPUA2005	20 x 2 - 3/4"	1	60

PUSH-FIT TRANSITION WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175400	SPUI1604	16 x 2 - 1/2"	1	60
4260494175417	SPUI1605	16 x 2 - 3/4"	1	60
4260494175424	SPUI2004	20 x 2 - 1/2"	1	50
4260494175431	SPUI2005	20 x 2 - 3/4"	1	50

PUSH-FIT ELBOW 90°



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175387	SPW1616	16 x 2	1	60
4260494175394	SPW2020	20 x 2	1	50

PUSH-FIT ELBOW WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175448	SPWA1604	16 x 2 - 1/2"	1	60
4260494175455	SPWA1605	16 x 2 - 3/4"	1	60
4260494175462	SPWA2004	20 x 2 - 1/2"	1	50
4260494175479	SPWA2005	20 x 2 - 3/4"	1	50

PUSH-FIT ELBOW WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175486	SPWI1604	16 x 2 - 1/2"	1	60
4260494175493	SPWI1605	16 x 2 - 3/4"	1	60
4260494175509	SPWI2004	20 x 2 - 1/2"	1	50
4260494175905	SPWI2005	20 x 2 - 3/4"	1	50



PUSH-FIT T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175516	SPT161616	16 x 2	1	50
4260494175523	SPT202020	20 x 2	1	40



PUSH-FIT REDUCED T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175530	SPT201620	20 x 2 - 16 x 2 - 20 x 2	1	40
4260494175547	SPT201616	20 x 2 - 16 x 2 - 16 x 2	1	40
4260494175554	SPT202016	20 x 2 - 20 x 2 - 16 x 2	1	40



PUSH-FIT T-CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175561	SPT160416	16 x 2 - ½" - 16 x 2	1	40
4260494175578	SPT1200420	20 x 2 - ½" - 20 x 2	1	40
4260494175585	SPT1200520	20 x 2 - ¾" - 20 x 2	1	40



PUSH-FIT COUPLING



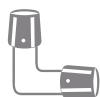
GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175592	SPK1616	16 x 2 - 16 x 2	1	80
4260494175608	SPK2016	20 x 2 - 16 x 2	1	60
4260494175615	SPK2020	20 x 2 - 20 x 2	1	60



PUSH-FIT END PLUG



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175677	SPS16	16 x 2	1	80
4260494175684	SPS20	20 x 2	1	80



PUSH-FIT WALL ELBOW



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175622	SPWWK1604	16 x 2 – ½" – 39 mm	1	40
4260494175639	SPWWM1604	16 x 2 – ½" – 52 mm	1	40
4260494175646	SPWWL1604	16 x 2 – ½" – 78 mm	1	30
4260494175653	SPWWM2004	20 x 2 – ½" – 52 mm	1	30
4260494175660	SPWWL2004	20 x 2 – ½" – 78 mm	1	30

SOUND INSULATION SET FOR WALL ELBOW

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494178814	PFSSSET39	39 mm	1	50
4260494173512	PFSSSET52	52 mm	1	50
4260494173529	PFSSSET78	78 mm	1	50

COMPATIBILITY OVERVIEW:

PFSSSET39	PFWWK1603, PFWWK1604, SPWWK1604, SFWW1604, SFWW2004
PFSSSET52	PFWWM1604, PFWWM2004, SPWWM1604, SPWWM2004
PFSSSET78	PFWWL1604, PFWWL2004, SPWWL1604, SPWWL2004

PUSH-FIT WALL ELBOW – V-SHAPE



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175691	SPWWV1604	16 x 2 – ½" – 16 x 2	1	20
4260494175707	SPWWV2004	20 x 2 – ½" – 20 x 2	1	20

PUSH-FIT CONNECTOR TO COPPER PIPE

/ SCREW CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175783	SPUEK1615S	16 x 2 – 15 mm	1	80
4260494175790	SPUEK2015S	20 x 2 – 15 mm	1	80
4260494175806	SPUEK2022S	20 x 2 – 22 mm	1	80

PUSH-FIT CONNECTOR TO COPPER PIPE

/ PRESS CONNECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175813	SPUEK1615P	16 x 2 – 15 mm	1	80
4260494175820	SPUEK2015P	20 x 2 – 15 mm	1	80
4260494175837	SPUEK2022P	20 x 2 – 22 mm	1	80



PUSH-FIT BALL VALVE FOR DRINKING WATER (DVGW)

INCLUDING LEVER HANDLE / MATERIAL CW617N / CW510L



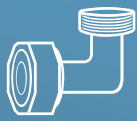
GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175868	SPKU16D	16 x 2	1	20
4260494175875	SPKU20D	20 x 2	1	20



PUSH-FIT BALL VALVE FOR HEATING

INCLUDING LEVER HANDLE / MATERIAL CW617N

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494175844	SPKU16H	16 x 2	1	20
4260494175851	SPKU20H	20 x 2	1	20



PIPETEC®

SCREW FITTINGS





SCREW FITTINGS

► ADVANTAGES

- Screw fitting for easy and quick installation with no pressing tool
- Cost-effective alternative to conventional press-fit systems
- All materials are safe for use with drinking water and are on the UBA positive list
- Two O-rings prevent penetration of atmospheric oxygen

► PROPERTIES

-  DVGW DW-8501CP0053
-  Durability: 10 bar / 70°C / 50 years
-  Maximum operating temperature 95°C
-  EN 10226-1 thread
-  Brass: CW617N / CW510L
-  Bag made from 50% recycled material



 **VIDEO
INSTALLATION INSTRUCTIONS**

► AREAS OF APPLICATION

-  Drinking water installations
-  Underfloor/wall heating
-  Underfloor/wall cooling
-  Radiator connection
-  Oil-free compressed air up to 10 bar

► CERTIFICATIONS

-   DVGW
-   IMA
-   ÜA
-   EN ISO 21003
-   GOST
-   HYGIENE CERTIFICATE



SCREW CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173550	SFUA1604	16 x 2 - 1/2"	10	120
4260494173567	SFUA1605	16 x 2 - 3/4"	10	120
4260494173574	SFUA2004	20 x 2 - 1/2"	10	120
4260494173581	SFUA2005	20 x 2 - 3/4"	10	100
4260494173598	SFUA2006	20 x 2 - 1"	10	80
4260494173604	SFUA2604	26 x 3 - 1/2"	5	50
4260494173611	SFUA2605	26 x 3 - 3/4"	5	50
4260494173628	SFUA2606	26 x 3 - 1"	5	50
4260494173635	SFUA3205	32 x 3 - 3/4"	1	30
4260494173642	SFUA3206	32 x 3 - 1"	1	30



SCREW CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173659	SFUI1604	16 x 2 - 1/2"	10	120
4260494173666	SFUI1605	16 x 2 - 3/4"	10	120
4260494173673	SFUI2004	20 x 2 - 1/2"	10	120
4260494173680	SFUI2005	20 x 2 - 3/4"	10	100
4260494173697	SFUI2006	20 x 2 - 1"	10	50
4260494173703	SFUI2604	26 x 3 - 1/2"	5	50
4260494173710	SFUI2605	26 x 3 - 3/4"	5	40
4260494173727	SFUI2606	26 x 3 - 1"	5	40
4260494173734	SFUI3205	32 x 3 - 3/4"	1	30
4260494173741	SFUI3206	32 x 3 - 1"	1	30



SCREW ELBOW 90°



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173758	SFW1616	16 x 2	10	80
4260494173765	SFW2020	20 x 2	10	60
4260494173772	SFW2626	26 x 3	5	40
4260494173789	SFW3232	32 x 3	1	30



SCREW ELBOW WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173796	SFWA1604	16 x 2 - 1/2"	10	80
4260494173802	SFWA1605	16 x 2 - 3/4"	10	80
4260494173819	SFWA2004	20 x 2 - 1/2"	10	80
4260494173826	SFWA2005	20 x 2 - 3/4"	10	60
4260494173833	SFWA2605	26 x 3 - 3/4"	5	40
4260494173840	SFWA2606	26 x 3 - 1"	5	40
4260494173857	SFWA3205	32 x 3 - 3/4"	1	30
4260494173864	SFWA3206	32 x 3 - 1"	1	30



SCREW ELBOW WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173871	SFWI1604	16 x 2 - 1/2"	10	80
4260494173888	SFWI1605	16 x 2 - 3/4"	10	80
4260494173895	SFWI2004	20 x 2 - 1/2"	10	80
4260494173901	SFWI2005	20 x 2 - 3/4"	10	60
4260494173918	SFWI2605	26 x 3 - 3/4"	5	40
4260494173925	SFWI2606	26 x 3 - 1"	5	40
4260494173932	SFWI3205	32 x 3 - 3/4"	1	30
4260494173949	SFWI3206	32 x 3 - 1"	1	30



SCREW WALL ELBOW



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174441	SFWW1604	16 x 2 - 1/2"	10	50
4260494174458	SFWW1605	16 x 2 - 3/4"	10	40
4260494174465	SFWW2004	20 x 2 - 1/2"	10	40
4260494174472	SFWW2005	20 x 2 - 3/4"	10	30



SOUND INSULATION SET FOR WALL ELBOW

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494178814	PFSSSET39	39 mm	1	50
4260494173512	PFSSSET52	52 mm	1	50
4260494173529	PFSSSET78	78 mm	1	50

COMPATIBILITY OVERVIEW:

PFSSSET39	PFWWK1603, PFWWK1604, SPWWK1604, SFWW1604, SFWW2004
PFSSSET52	PFWWM1604, PFWWM2004, SPWWM1604, SPWWM2004
PFSSSET78	PFWWL1604, PFWWL2004, SPWWL1604, SPWWL2004



SCREW WALL ELBOW 90°



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174519	SFWWD1604	16 x 2 - ½" - 16 x 2	1	30
4260494174526	SFWWD2004	20 x 2 - ½" - 20 x 2	1	30

SCREW T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173956	SFT161616	16 x 2	10	60
4260494173963	SFT202020	20 x 2	10	40
4260494173970	SFT262626	26 x 3	5	20
4260494173987	SFT323232	32 x 3	1	20

SCREW T-CONNECTOR, REDUCED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494173994	SFT201620	20 x 2 - 16 x 2 - 20 x 2	10	50
4260494174014	SFT262026	26 x 3 - 20 x 2 - 26 x 3	5	20
4260494174007	SFT261626	26 x 3 - 16 x 2 - 26 x 3	5	20
4260494174021	SFT321632	32 x 3 - 16 x 2 - 32 x 3	1	20
4260494174038	SFT322032	32 x 3 - 20 x 2 - 32 x 3	1	20
4260494174045	SFT322632	32 x 3 - 26 x 3 - 32 x 3	1	20

SCREW T-CONNECTOR, ENLARGED CENTRAL OUTLET



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174052	SFT162016	16 x 2 - 20 x 2 - 16 x 2	10	20
4260494174069	SFT202620	20 x 2 - 26 x 3 - 20 x 2	5	20
4260494174076	SFT263226	26 x 3 - 32 x 3 - 26 x 3	5	20



SCREW REDUCED T-CONNECTOR



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174083	SFT201616	20 x 2 - 16 x 2 - 16 x 2	10	40
4260494174090	SFT202016	20 x 2 - 20 x 2 - 16 x 2	10	40
4260494174106	SFT261620	26 x 3 - 16 x 2 - 20 x 2	5	20
4260494174113	SFT262020	26 x 3 - 20 x 2 - 20 x 2	5	20
4260494174120	SFT262616	26 x 3 - 26 x 3 - 16 x 2	5	20
4260494174137	SFT262620	26 x 3 - 26 x 3 - 20 x 2	5	20
4260494174144	SFT322020	32 x 3 - 20 x 2 - 20 x 2	1	20
4260494174151	SFT322026	32 x 3 - 20 x 2 - 26 x 3	1	20
4260494174168	SFT322626	32 x 3 - 26 x 3 - 26 x 3	1	20
4260494174175	SFT323220	32 x 3 - 32 x 3 - 20 x 2	1	20
4260494174182	SFT323226	32 x 3 - 32 x 3 - 26 x 3	1	20



SCREW T-CONNECTOR WITH FEMALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174199	SFTI160416	16 x 2 - 1/2" - 16 x 2	10	50
4260494174205	SFTI160516	16 x 2 - 3/4" - 16 x 2	10	50
4260494174212	SFTI200420	20 x 2 - 1/2" - 20 x 2	10	40
4260494174229	SFTI200520	20 x 2 - 3/4" - 20 x 2	10	40
4260494174236	SFTI260526	26 x 3 - 3/4" - 26 x 3	5	20
4260494174243	SFTI260626	26 x 3 - 1" - 26 x 3	5	20
4260494174250	SFTI320532	32 x 3 - 3/4" - 32 x 3	1	20
4260494174267	SFTI320632	32 x 3 - 1" - 32 x 3	1	20



SCREW T-CONNECTOR WITH MALE THREAD



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174274	SFTA160416	16 x 2 - 1/2" - 16 x 2	10	50
4260494174281	SFTA160516	16 x 2 - 3/4" - 16 x 2	10	50
4260494174298	SFTA200420	20 x 2 - 1/2" - 20 x 2	10	40
4260494174304	SFTA200520	20 x 2 - 3/4" - 20 x 2	10	20
4260494174311	SFTA260526	26 x 3 - 3/4" - 26 x 3	5	20
4260494174328	SFTA260626	26 x 3 - 1" - 26 x 3	5	20
4260494174335	SFTA320532	32 x 3 - 3/4" - 32 x 3	1	20
4260494174342	SFTA320632	32 x 3 - 1" - 32 x 3	1	20



SCREW COUPLING



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174359	SFK1616	16 x 2 - 16 x 2	10	100
4260494174366	SFK2020	20 x 2 - 20 x 2	10	80
4260494174373	SFK2626	26 x 3 - 26 x 3	5	50
4260494174380	SFK3232	32 x 3 - 32 x 3	1	30



SCREW REDUCED COUPLING



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174397	SFK2016	20 x 2 - 16 x 2	10	80
4260494174403	SFK2616	26 x 3 - 16 x 2	5	50
4260494174410	SFK2620	26 x 3 - 20 x 2	5	50
4260494174427	SFK3220	32 x 3 - 20 x 2	1	40
4260494174434	SFK3226	32 x 3 - 26 x 3	1	40



SCREW END PLUG



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174533	SFS16	16 x 2	10	100
4260494174540	SFS20	20 x 2	10	100
4260494174557	SFS26	26 x 3	5	50
4260494174564	SFS32	32 x 3	1	30



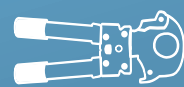
SCREW INTERSECTION



GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174489	SFKR16	16 x 2	1	30
4260494174496	SFKR20	20 x 2	1	20
4260494174502	SFKR26	26 x 3	1	20

COMPRESSION FITTING WITH $\frac{3}{4}$ " NUT EUROCONE

GTIN NO. (EAN)	ITEM NO.	SIZE		
4260494174571	KV12M	12 x 2 - $\frac{3}{4}$ "	10	100
4260494174588	KV14M	14 x 2 - $\frac{3}{4}$ "	10	100
4260494174595	KV16M	16 x 2 - $\frac{3}{4}$ "	10	100
4260494174601	KV17M	17 x 2 - $\frac{3}{4}$ "	10	100
4255750506968	KV18M	18 x 2 - $\frac{3}{4}$ "	10	100
4260494174618	KV20M	20 x 2 - $\frac{3}{4}$ "	10	100
4255750506975	KV20225M	20 x 2,25 - $\frac{3}{4}$ "	10	100



PIPETEC®

TOOLS



EXTERNAL BENDING SPRING FOR COMPOSITE PIPE



GTIN NO. (EAN)	ITEM NO.	SIZE	
4260494174649	BFA16	16 x 2.0 mm	80
4260494174656	BFA20	20 x 2.0 mm	50
4260494174663	BFA26	26 x 3.0 mm	30

INTERNAL BENDING SPRING FOR COMPOSITE PIPE



GTIN NO. (EAN)	ITEM NO.	SIZE	
4260494174670	BFI16	16 x 2.0 mm	250
4260494174687	BFI20	20 x 2.0 mm	160
4260494174694	BFI26	26 x 3.0 mm	100

CALIBRATOR FOR PUSH FITTINGS, PRESS FITTINGS AND SCREW FITTINGS



GTIN NO. (EAN)	ITEM NO.	SIZE	
4260494174700	K1626	16 x 2 mm 20 x 2 mm 26 x 3 mm	50

CALIBRATOR FOR PRESS FITTINGS AND SCREW FITTINGS



GTIN NO. (EAN)	ITEM NO.	SIZE
4260494174717	K1632	16 x 2 mm - 20 x 2 mm - 26 x 3 mm - 32 x 3 mm

 **PLEASE NOTE!** Not suitable for use with PIPETEC push fitting

CALIBRATOR FOR PRESS FITTINGS



GTIN NO. (EAN)	ITEM NO.	SIZE
4260494174724	K40	40 x 3.5 mm
4260494174731	K50	50 x 4 mm
4260494174748	K63	63 x 4.5 mm

CALIBRATOR

FOR COMPOSITE PIPES



GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4255750506982	KS1632_Set	Calibrator Set for composite pipes 16 x 2, 20 x 2, 26 x 3 and 32 x 3 mm – incl. case
4255750506999	KS16	Calibrator for composite pipe 16 x 2
4255750507002	KS20	Calibrator for composite pipe 20 x 2
4255750507019	KS26	Calibrator for composite pipe 26 x 3
4255750507026	KS32	Calibrator for composite pipe 32 x 3

 **PLEASE NOTE!** Not suitable for use with PIPETEC push fitting



Replacement blade for professional pipe cutter for composite pipe up to 26 mm

PROFESSIONAL PIPE CUTTER FOR COMPOSITE PIPE UP TO 26 MM

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494174762	RS26	Pipe cutter
4260494174779	RS26E	Replacement blade

PIPE CUTTER FOR COMPOSITE PIPE UP TO 40 MM



GTIN NO. (EAN)	ITEM NO.	
4260494174755	RS40	50

 Can also be ordered individually!



PIPE CUTTER

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494175882	RAS45	Pipe cutter for pipe diameters from 3 to 45 mm
4260494175899	RAS76	Pipe cutter for pipe diameters from 6 to 76 mm



REMS MINI PRESS ACC

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494174809	RMACC	REMS Mini Press ACC incl. plastic case
4260494174816	RMTH16	Crimping Tool Mini-Press TH 16*
4260494174823	RMTH20	Crimping Tool Mini-Press TH 20*
4260494174830	RMTH26	Crimping Tool Mini-Press TH 26*
4260494174847	RMTH32	Crimping Tool Mini-Press TH 32*
4260494174854	RMTH40	Crimping Tool Mini-Press TH 40*

 * Crimping tools suitable for REMS Mini-Press ACC only.



TH CRIMPING TOOL FOR PIPETEC SAFE-PRESS AND REMS POWER PRESS

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494174908	RTH16	Crimping Tool TH 16
4260494174915	RTH20	Crimping Tool TH 20
4260494174922	RTH26	Crimping Tool TH 26
4260494174939	RTH32	Crimping Tool TH 32
4260494174946	RTH40	Crimping Tool TH 40
4260494174953	RTH50	Crimping Tool TH 50
4260494174960	RTH63	Crimping Tool TH 63

Eg. for Rems Power-Press, Rems Power-Press E, Rems Power-Press SE, Rems Power-Press ACC, Rems Battery Press, Rems Battery-Press ACC (not Mini), Rothenberger Romax AC Eco, Klauke UAP2, Viega PT2, Novopress EFP2...



REMS SWING ONE-HAND PIPE BENDING SET

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494174977	RSWI	14, 16, 18, 20, 25 and 26 mm

Practical one-hand tool for precise bending of pipes up to 90°. Ideal for on-site work.

Details:

Strong sheet steel case, for aluminium multilayer composite pipes with external diameters: 14, 16, 18, 20, 25 and 26 mm

Benefits:

- Bend pipes in-situ.
- Universally applicable for a wide range of pipes.
- Quick work thanks to patented rapid advance and return.
- Tried-and-tested, reliable ratchet feed.
- Also ideal for sheathed pipes.



TH PROFILE MANUAL CRIMPING TOOL INCL. CASE AND TEST GAUGE FOR PRESS FITTINGS

GTIN NO. (EAN)	ITEM NO.	DESCRIPTION
4260494174984	HPZTH1632	TH profile and inserts for 16 x 2, 20 x 2, 26 x 3, 32 x 3

Pre-set to PIPETEC press fittings. Not suitable for metallic pipe systems.



TEST GAUGE FOR PRESS FITTINGS (TH PROFILE)



Pressing is OK

Test gauge can be moved over the pressing area without pressure.

The press diameter is within the tolerance.

Use only to check Pipetec TH pressings.



Pressing is not OK

Test gauge cannot be moved over the pressing area.

The pressing does not have the required diameter and is outside the tolerance.



PIPETEC®

TECHNICAL MANUAL

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PIPES

ALUMINIUM MULTILAYER COMPOSITE PIPE

The Pipetec metal composite pipe was developed to withstand the wide range of temperatures and pressures in cold and hot water systems.

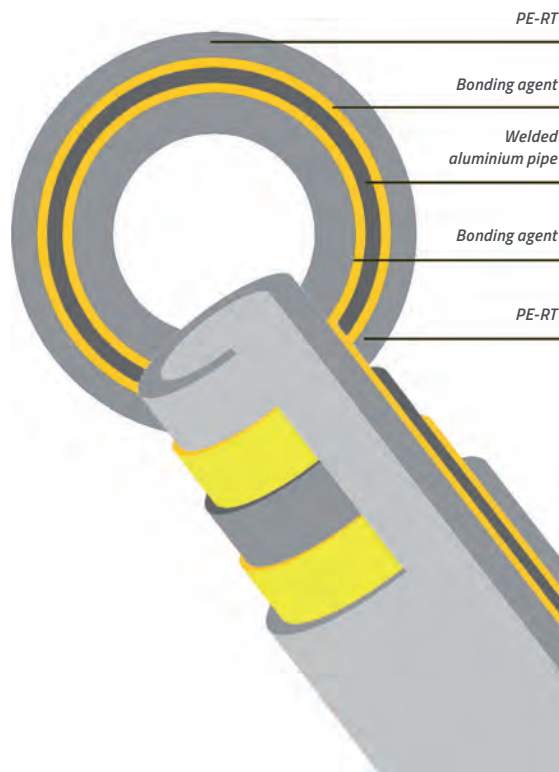
► DESIGN

A basic polyethylene pipe is extruded and a bonding agent is applied. An aluminium strip is formed around the pipe, welded longitudinally and calibrated to the inner pipe. A further adhesive layer and a covering layer of polyethylene are then applied. The weld seam is checked inline during the production process. The internal diameter of the finished product is checked with a ball.

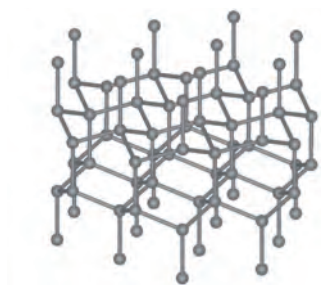
► MATERIALS

PE-RT – ELASTICITY AT ANY TEMPERATURE

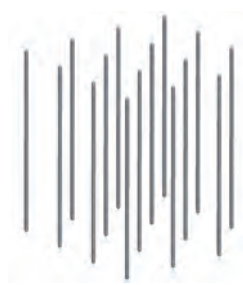
The internal pipe material PE-RT (Raised Temperature) was specially developed for applications in cold and hot water systems. Only pure materials from established raw material producers are used. The interlinked structure of the material has high thermal resistance and is therefore particularly suitable for use in this area.



POLYETHYLENE



Interlinked (physically)
Better structure



Not interlinked (physically)
Weaker structure

High-temperature-resistant polyethylene or PE-RT extends the typical properties of polyethylene. Because of its molecular structure and its process properties, it is also extremely stable at high temperatures. This makes it perfect for applications in the field of cold and hot water systems. The combination of PE-RT, aluminium and bonding

agent offers some big advantages in terms of processing and cost-effectiveness of installations in comparison to conventional raw materials such as copper or C-steel. All materials are tested and safe for use in drinking water installations.

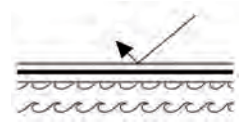


► ADVANTAGES OF ALUMINIUM MULTILAYER COMPOSITE PIPE

The Pipetec pipe system is designed for universal use and offers some important advantages to those who work with it:

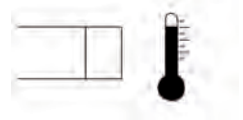
100% DIFFUSION-TIGHT

The Pipetec multilayer composite pipe is 100% diffusion-tight thanks to the internal welded aluminium pipe (oxygen barrier).



LITTLE THERMAL EXPANSION

The internal aluminium pipe reduces the thermal expansion considerably (compared to conventional plastic pipes). It is roughly equivalent to that of metal pipes ($0.024 \text{ mm/m} \times \text{K}$).



PHYSICALLY INTERLINKED PLASTIC INSIDE AND OUT PE-RT

The Pipetec System multilayer composite pipe has the same quality plastic both inside and outside. This prevents different ageing processes or material properties.



NO MATERIAL ABRASION, NO DEPOSITS

The lower roughness of the interlinked plastic prevents any material abrasion or deposits that would change the pipe cross-section.



DIMENSIONALLY STABLE, HARDLY ANY FITTINGS FOR DIRECTIONCHANGES

The Pipetec System multilayer composite pipe can be bent easily by hand and stays in the required shape without any spring-back. Changes of direction can be achieved without any moulded parts. Only in exceptional cases are appropriate Fittings required.



DURABILITY 70° AT 10 BAR

The Pipetec System multilayer composite pipe has continuous durability at 70°C and 10 bar. Brief temperature spikes of 95°C are feasible in accordance with DVGW Worksheet W542 and W534.



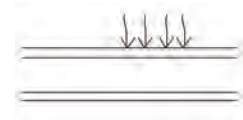
NOISE REDUCTION FEATURES

The smooth inside wall of the pipe means there are no audible flow noises. Fittings, moulded parts and taps can be separated from the construction base with appropriate insulation (DIN 4109 / EnEV).



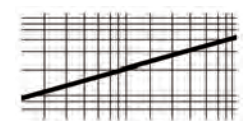
CORROSION RESISTANCE

The fittings are just as resistant to corrosion as the Pipetec System multilayer composite pipes. The components in the range are therefore suitable for all types of drinking water.



SERVICE LIFE

The Pipetec System multilayer composite pipe is designed for a service life of at least 50 years under the continuous load described above (70°C at 10 bar, 95°C for short periods). Laying and testing in accordance with DIN 1988.



MEETS THE REQUIREMENTS OF THE UBA POSITIVE LIST (DVGW AND KIWA CERTIFICATION)




► TECHNICAL DATA FOR ALUMINIUM MULTILAYER COMPOSITE PIPE (AS OF 11/2018)

DIMENSIONS	16X2.0	16X2.0	20X2.0	26X3.0	32X3.0	40X3.5	50X4.0	63X4.5
Item no.	VR1620...HZ	VR1620... VS1620... VRI162...	VR2020... VS2020... VRI202...	VR2630... VS2630... VRI263...	VR3230... VS3230...	VS402 VS405	VS505	VS635
Certifications / Tests	none (heating applications only)	DVGW KIWA	DVGW KIWA	DVGW KIWA	DVGW KIWA	DVGW KIWA	DVGW KIWA	DVGW KIWA
Colour	white	white	white	white	white	white	white	white
Pipe structure in layers	5	5	5	5	5	5	5	5
External pipe diameter (mm)	16.0	16.0	20.0	26.0	32.0	40.0	50.0	63.0
Pipe wall thickness (mm)	2.0	2.0	2.0	3.0	3.0	3.5	4.0	4.5
Internal pipe diameter (mm)	12.0	12.0	16.0	20.0	26.0	33.0	42.0	54.0
Aluminium layer thickness (mm)	0.15	0.20	0.25	0.35 / 0.3	0.50	0.50	0.60	0.80
Density								
Smallest bending radius (mm) without bending tool (T = 20°C)	80	80	100	260	-			-
Smallest bending radius (mm) with bending tool (T = 20°C)	48	48	60	104	128	160	200	252
Metre weight (g / m)	100	105	140	260	350	500	700	1,100
Water content (litre / m)	0.113	0.113	0.201	0.314	0.531	0.855	1.385	2.290
Linear expansion coefficient (mm / (m K))	0.023	0.023	0.023	0.023	0.023	0.023	0.026	0.026
Thermal resistance (m ² k / W)	0.0046	0.0045	0.0044	0.0066	0.0063	0.0075	0.0085	0.0093
Thermal conductivity (W / m K)	0.43	0.44	0.46	0.45	0.48	0.47	0.47	0.49
Max. operating temperature, over 50 years (°C)	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Max. operating temperature, max. 1 year (°C)	80	95	95	95	95	95	95	95
Fail-safe temperature, max. 100 hours (°C)	95	110	110	110	110	110	110	110
Max. operating pressure, over 50 years (bar)	6	10	10	10	10	10	10	10
Max. operating pressure, max. 1 year (bar)	8	12	12	12	12	12	12	12
Max. operating pressure, app. classes 4/5 (bar)								
Surface roughness (mm)	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Oxygen permeability (g /m ³ d)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1



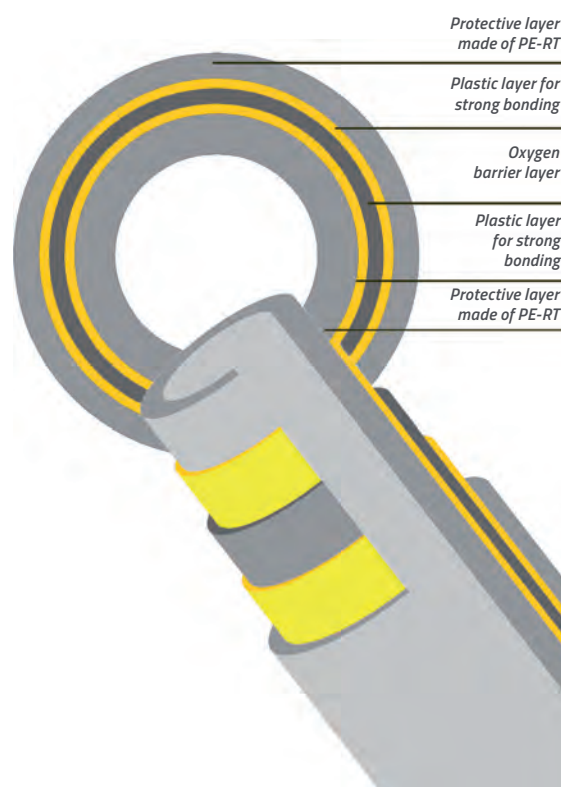
SOLID PLASTIC PIPE PE-RT

Thermally stable solid plastic pipe for underfloor heating systems - PE-RT is a high-quality, five-layer underfloor heating pipe. This structure provides high oxygen tightness, which is not affected even by rough building site conditions.

► STRUCTURE – MATERIAL

A specially modified polyethylene is used for PE-RT (Raised Temperature) heating pipes, the molecular structure and composition of which guarantee very good thermal stability and high mechanical strength up to temperatures of 90°C.

The five-layer pipe structure is made in a single work operation using the extrusion process. A layer of EVOH provides a very effective oxygen barrier, while the outer PE-RT layer protects the entire layer structure from external factors. The layers are securely and permanently glued together by means of a bonding agent. This production process makes the pipe particularly suitable for cost-effective and safe installation of underfloor heating systems.



► ADVANTAGES OF SOLID PLASTIC PIPE PE-RT

- Oxygen tightness with co-extruded EVOH coating as per DIN 4726
- Range of use max. 90°C, max. 6 bar, continuous temperature 70°C
- Pipes made of PE-RT are free from corrosion. The materials will not react or change.
- Weldable basic pipe
- Excellent stress crack resistance
- Suitable for particularly rough laying conditions thanks to 5-layer technology
- Flexible and easy to lay – can be laid cold
- Tight bending radii possible
- Resistant to numerous chemicals (details on request)
- No encrustation thanks to smooth internal pipe surface
- Light weight


► TECHNICAL DATA FOR SOLID PLASTIC PIPE PE-RT (AS OF 11/2018) INCL. ULTRAFLEX

DIMENSIONS	12X2.0	14X2.0	16X2.0	17X2.0
Item no.	HR120...	HR1420...	HR1620...	HR1720...
Certifications / Tests (only Type 2)	SKZ	SKZ	SKZ	SKZ
Colour	natural	natural	natural	natural
Pipe structure in layers	5	5	5	5
External pipe diameter (mm)	12.0	14.0	16.0	17.0
Pipe wall thickness (mm)	2.0	2.0	2.0	2.0
Internal pipe diameter (mm)	8.0	10.0	12.0	13.0
Density	0.945	0.945	0.945	0.945
Smallest bending radius (mm) without bending tool (T = 20°C)	60	70	80	90
Smallest bending radius (mm) with bending tool (T = 20°C)	24	28	32	36
Metre weight (g / m)	62	75	87	94
Water content (litre / m)	0.050	0.079	0.113	0.133
Linear expansion coefficient (mm / (m K))	0.195	0.195	0.195	0.195
Thermal resistance (m ² k / W)	0.0050	0.0050	0.0050	0.0050
Thermal conductivity (W / m K)	0.40	0.40	0.40	0.40
Max. operating temperature, over 50 years (°C)	70.0	70.0	70.0	70.0
Max. operating temperature, max. 1 year (°C)	90	90	90	90
Fail-safe temperature, max. 100 hours (°C)	100	100	100	100
Max. operating pressure, over 50 years (bar)	-	-	-	-
Max. operating pressure, max. 1 year (bar)	-	-	-	-
Max. operating pressure, app. classes 4/5 (bar)	8	8	8	8
Surface roughness (mm)	0.007	0.007	0.007	0.007
Oxygen permeability (g / m ³ d)	<0.01	<0.01	<0.01	<0.01



TECHNICAL DATA FITTINGS

ZETA VALUES PIPETEC PRESS FITTINGS

Loss coefficient ζ

COMPONENT	SYMBOL	DIM 16	DIM 20	DIM 26	DIM 32	DIM 40	DIM 50
T-CONNECTOR FLOW SEPARATION		9.8	7.6	5.5	3.4	2.8	2.2
T-CONNECTOR RUN (COUPLING)		5.4	4.2	3.1	2.6	2.1	1.6
T-CONNECTOR COUNTER-FLOW FOR FLOW SEPARATION		12.2	8.5	6.8	5.1	3.4	2.8
T-CONNECTOR COUNTER-FLOW FOR FLOW COMBINATION		12.2	8.5	6.8	5.1	3.4	2.8
90° ELBOW		8.7	6.3	4.5	2.9	1.3	1.3
PIPE BEND		1.3	0.9	0.7	0.4	0.2	-
TRANSITION REDUCER		8.3	6.3	5.1	2.8	1.6	1.3
WALL BUSHING		5.5	5.4	-	-	-	-

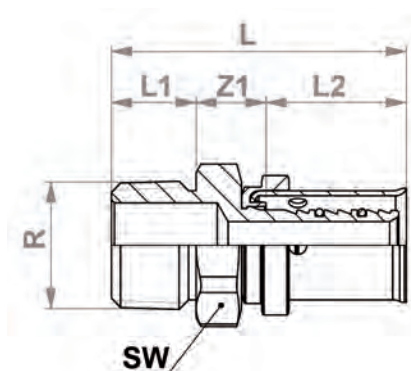


INSTALLATION DIMENSIONS / Z-DIMENSIONS

PIPETEC PRESSFITTINGS



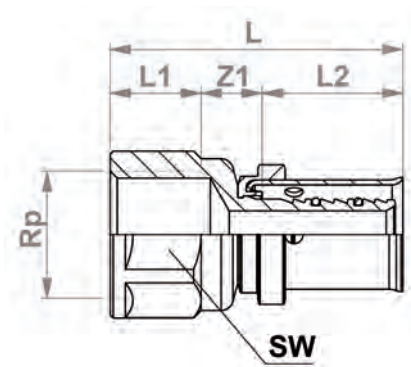
PRESS CONNECTOR WITH MALE THREAD



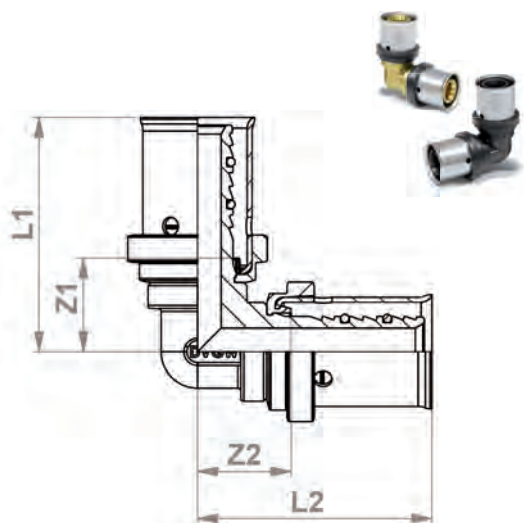
ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	SW mm	R "
PFUA1604	16 x 2 - 1/2"	Brass	48	14	23	11	24	1/2
PFUA1605	16 x 2 - 3/4"	Brass	51	16	23	12	27	3/4
PFUA2004	20 x 2 - 1/2"	Brass	48	14	23	11	24	1/2
PFUA2005	20 x 2 - 3/4"	Brass	51	16	23	12	27	3/4
PFUA2006	20 x 2 - 1"	Brass	57	20	23	14	36	1
PFUA2604	26 x 3 - 1/2"	Brass	48	14	23	11	24	1/2
PFUA2605	26 x 3 - 3/4"	Brass	51	16	23	12	27	3/4
PFUA2606	26 x 3 - 1"	Brass	57	20	23	14	36	1
PFUA3206	32 x 3 - 1"	Brass	57	20	23	14	36	1
PFUA3207	32 x 3 - 1 1/4"	Brass	59	22	23	14	46	1 1/4
PFUA4006	40 x 3,5 - 1"	Brass	56	20	23	14	36	1
PFUA4007	40 x 3,5 - 1 1/4"	Brass	59	22	23	14	46	1 1/4
PFUA5007	50 x 4 - 1 1/4"	Brass	71	22	35	14	46	1 1/4
PFUA5008	50 x 4 - 1 1/2"	Brass	71	22	35	14	51	1 1/2
PFUA6309	63 x 4,5 - 2"	Brass	79	25	39	15	65	2



PRESS CONNECTOR WITH FEMALE THREAD



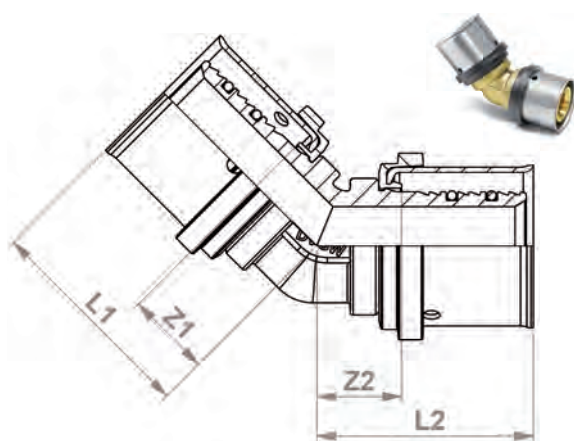
ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	SW mm	Rp "
PFUI1604	16 x 2 - 1/2"	Brass	48	16	23	9	25	1/2
PFUI1605	16 x 2 - 3/4"	Brass	51	17	23	11	32	3/4
PFUI2004	20 x 2 - 1/2"	Brass	47	16	23	8	27	1/2
PFUI2005	20 x 2 - 3/4"	Brass	50	17	23	10	32	3/4
PFUI2605	26 x 3 - 3/4"	Brass	49	17	23	9	32	3/4
PFUI2606	26 x 3 - 1"	Brass	54	21	23	10	41	1
PFUI3206	32 x 3 - 1"	Brass	53	21	23	9	41	1
PFUI3207	32 x 3 - 1 1/4"	Brass	57	23	23	11	50	1 1/4
PFUI4006	40 x 3,5 - 1"	Brass	53	21	23	9	38	1
PFUI4007	40 x 3,5 - 1 1/4"	Brass	59	23	23	13	50	1 1/4
PFUI4008	40 x 3,5 - 1 1/2"	Brass	59	23	23	13	55	1 1/2
PFUI5007	50 x 4 - 1 1/4"	Brass	66	23	35	8	50	1 1/4
PFUI5008	50 x 4 - 1 1/2"	Brass	67	23	35	9	55	1 1/2
PFUI6309	63 x 4,5 - 2"	Brass	72	27	39	6	65	2



PRESS ELBOW 90°



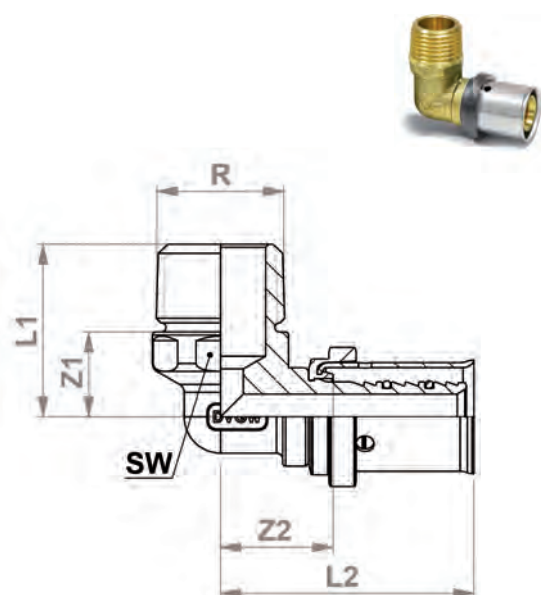
ITEM NO.	SIZE	MATERIAL	Z1 mm	L1 mm	Z2 mm	L2 mm
PFW1616	16 x 2	Brass	16	39	16	39
KPFW1616	16 x 2	PPSU	16	39	16	39
PFW2020	20 x 2	Brass	18	41	18	41
KPFW2020	20 x 2	PPSU	18	41	18	41
PFW2626	26 x 3	Brass	18	44	18	44
KPFW2626	26 x 3	PPSU	18	44	18	44
PFW3232	32 x 3	Brass	24	47	24	47
KPFW3232	32 x 3	PPSU	24	47	24	47
PFW4040	40 x 3,5	Brass	26	51	26	51
PFW5050	50 x 4	Brass	32	67	32	67
PFW6363	63 x 4,5	Brass	43	81	43	81



PRESS ELBOW 45°



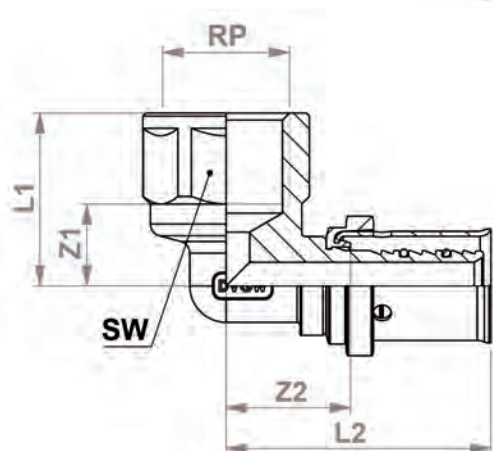
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm
PFWH2626	26 x 3	Brass	38	15	38	15
PFWH3232	32 x 3	Brass	39	16	39	16
PFWH4040	40 x 3,5	Brass	45	22	45	22
PFWH5050	50 x 4	Brass	57	22	57	22
PFWH6363	63 x 4,5	Brass	62,5	24	62,5	24



PRESS ELBOW WITH MALE THREAD



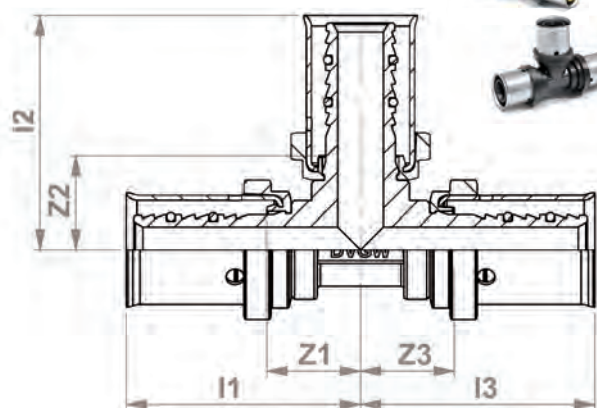
ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	SW mm	Rp "
PFWA1604	16 x 2 - 1/2"	Brass	30	16	41	18	22	1/2
PFWA1605	16 x 2 - 3/4"	Brass	32	16	45	22	27	3/4
PFWA2004	20 x 2 - 1/2"	Brass	32	18	42	19	22	1/2
PFWA2005	20 x 2 - 3/4"	Brass	34	18	44	21	27	3/4
PFWA2605	26 x 3 - 3/4"	Brass	34	18	44	21	27	3/4
PFWA2606	26 x 3 - 1"	Brass	42	22	48	25	34	1
PFWA3206	32 x 3 - 1"	Brass	45	25	48	25	34	1
PFWA4007	40 x 3,5 - 1 1/4"	Brass	56	34	53	30	43	1 1/4
PFWA5007	50 x 4 - 1 1/4"	Brass	61	39	65	30	43	1 1/4
PFWA5008	50 x 4 - 1 1/2"	Brass	61	39	68	33	50	1 1/2
PFWA6309	63 x 4,5 - 2"	Brass	70	45	78	39	60	2



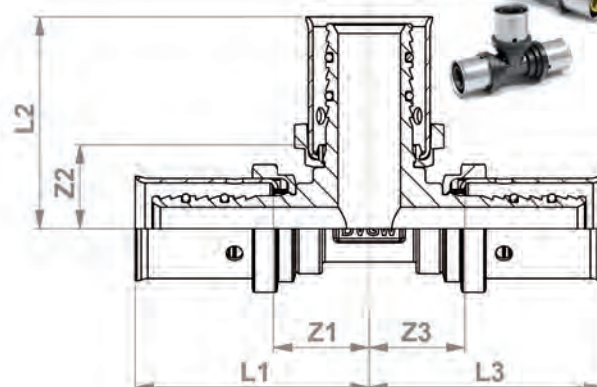
PRESS ELBOW WITH FEMALE THREAD



ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	SW mm	Rp "
PFWI1604	16 x 2 - 1/2"	Brass	29	13	45	22	27	1/2
PFWI1605	16 x 2 - 3/4"	Brass	32	15	48	25	33	3/4
PFWI2004	20 x 2 - 1/2"	Brass	31	15	45	22	27	1/2
PFWI2005	20 x 2 - 3/4"	Brass	33	16	48	25	33	3/4
PFWI2605	26 x 3 - 3/4"	Brass	34	17	48	25	33	3/4
PFWI2606	26 x 3 - 1"	Brass	41	20	53	30	41	1
PFWI3206	32 x 3 - 1"	Brass	42	21	53	30	41	1
PFWI4007	40 x 3,5 - 1 1/4"	Brass	50	27	58	35	50	1 1/4
PFWI5007	50 x 4 - 1 1/2"	Brass	51	28	72	37	50	1 1/2
PFWI5008	50 x 4 - 1 1/2"	Brass	52	29	73	38	56	1 1/2
PFWI6309	63 x 4,5 - 2"	Brass	62	35	81	42	67	2



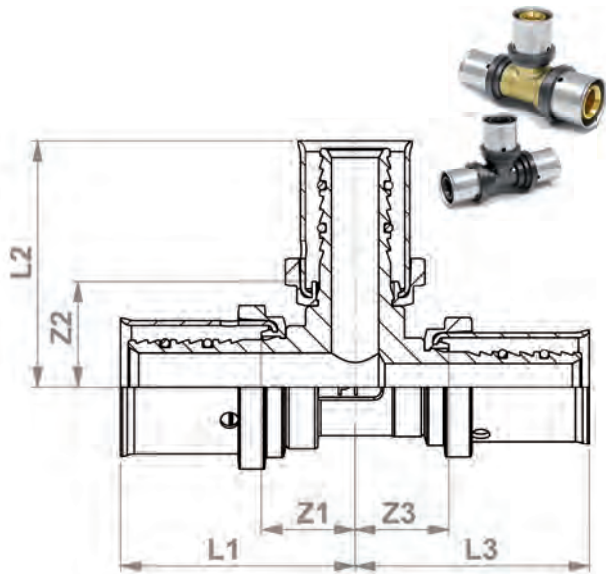
PRESS T-CONNECTOR



PRESS T-CONNECTOR, ENLARGED CENTRAL OUTLET



ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
PFT162016	16 x 2 - 20 x 2 - 16 x 2	Brass	40	17	38	15	40	17
KPFT162016	16 x 2 - 20 x 2 - 16 x 2	PPSU	40	17	38	15	40	17
PFT202620	20 x 2 - 26 x 3 - 20 x 2	Brass	43	20	41	8	43	20
KPFT202620	20 x 2 - 26 x 3 - 20 x 2	PPSU	43	20	41	8	43	20
PFT263226	26 x 3 - 32 x 3 - 26 x 3	Brass	45	22	43	20	45	22
PFT324032	32 x 3 - 40 x 3,5 - 32 x 3	Brass	49	26	45	22	49	26



PRESS REDUCED T-CONNECTOR

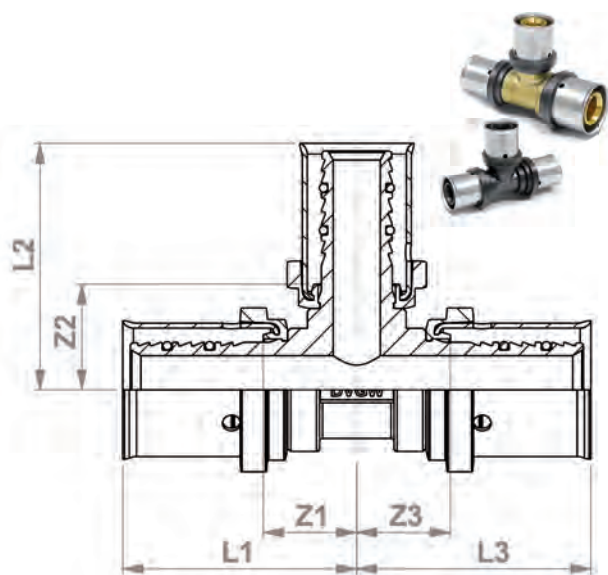


ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
PFT201616	20 x 2 - 16 x 2 - 16 x 2	Brass	38	15	40	17	39	16
KPFT201616	20 x 2 - 16 x 2 - 16 x 2	PPSU	38	15	40	17	39	16
PFT202016	20 x 2 - 20 x 2 - 16 x 2	Brass	40	17	40	17	41	18
KPFT202016	20 x 2 - 20 x 2 - 16 x 2	PPSU	40	17	40	17	41	18
PFT261620	26 x 3 - 16 x 2 - 20 x 2	Brass	39	16	43	20	38	15
KPFT261620	26 x 3 - 16 x 2 - 20 x 2	PPSU	39	16	43	20	38	15
PFT262016	26 x 3 - 20 x 2 - 16 x 2	Brass	41	18	44	21	39	16
KPFT262016	26 x 3 - 20 x 2 - 16 x 2	PPSU	41	18	44	21	39	16
PFT262020	26 x 3 - 20 x 2 - 20 x 2	Brass	41	18	43	20	40	17
KPFT262020	26 x 3 - 20 x 2 - 20 x 2	PPSU	41	18	43	20	40	17
PFT262616	26 x 3 - 26 x 3 - 16 x 2	Brass	44	21	43	20	43	20
KPFT262616	26 x 3 - 26 x 3 - 16 x 2	PPSU	44	21	43	20	43	20
PFT262620	26 x 3 - 26 x 3 - 20 x 2	Brass	44	21	43	20	43	20
KPFT262620	26 x 3 - 26 x 3 - 20 x 2	PPSU	44	21	43	20	43	20
PFT322020	32 x 3 - 20 x 2 - 20 x 2	Brass	41	18	47	24	41	18
PFT322026	32 x 3 - 20 x 2 - 26 x 3	Brass	41	18	47	24	41	18
PFT322626	32 x 3 - 26 x 3 - 26 x 3	Brass	44	21	47	24	43	20
KPFT322626	32 x 3 - 26 x 3 - 26 x 3	PPSU	44	21	47	24	43	20
PFT323220	32 x 3 - 32 x 3 - 20 x 2	Brass	47	24	47	24	46	23
PFT323226	32 x 3 - 32 x 3 - 26 x 3	Brass	47	24	47	24	46	23
PFT402632	40 x 3.5 - 26 x 3 - 32 x 3	Brass	43	20	49	26	42	19
PFT403232	40 x 3.5 - 32 x 3 - 32 x 3	Brass	47	24	50	27	46	23
PFT404026	40 x 3.5 - 40 x 3.5 - 26 x 3	Brass	49	26	49	26	49	26
PFT404032	40 x 3.5 - 40 x 3.5 - 32 x 3	Brass	49	26	49	26	49	26
PFT503240	50 x 4 - 32 x 3 - 40 x 3.5	Brass	58	23	54	31	46	23
PFT504040	50 x 4 - 40 x 3.5 - 40 x 3.5	Brass	61	26	54	31	50	27
PFT505032	50 x 4 - 50 x 4 - 32 x 3	Brass	67	32	67	32	55	32
PFT505040	50 x 4 - 50 x 4 - 40 x 3.5	Brass	67	32	67	32	56	33
PFT634050	63 x 4.5 - 40 x 3.5 - 50 x 4	Brass	65	26	61	38	61	26
PFT635050	63 x 4.5 - 50 x 4 - 50 x 4	Brass	71	32	73	38	66	31
PFT636340	63 x 4.5 - 63 x 4.5 - 40 x 3.5	Brass	77	38	77	38	62	39
PFT636350	63 x 4.5 - 63 x 4.5 - 50 x 4	Brass	77	38	77	38	73	38



PRESS T-CONNECTOR, REDUCING CENTRAL OUTLET

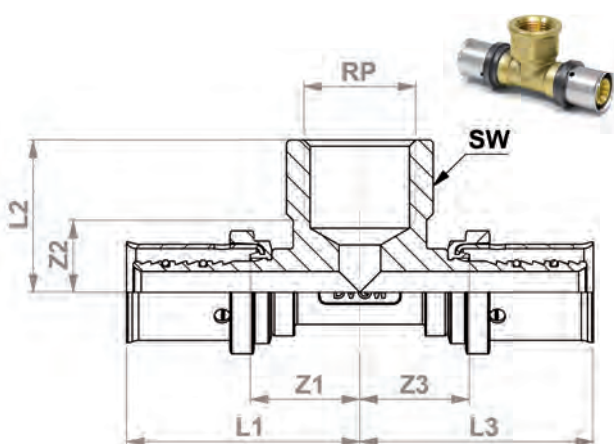
kiwa

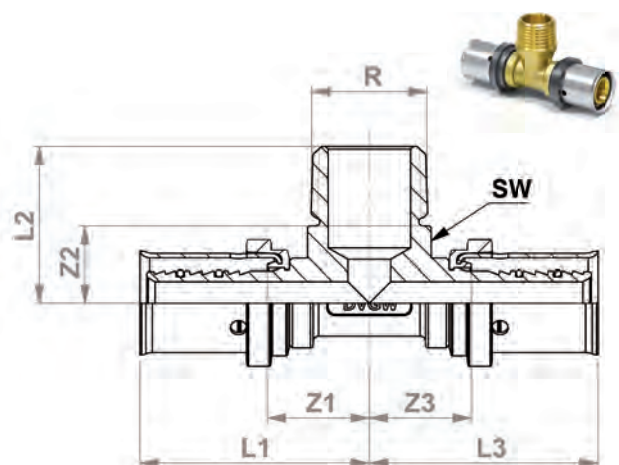


ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	L3 mm	Z3 mm
PFT201620	20 x 2 - 16 x 2 - 20 x 2	Brass	38	15	41	18	38	15
KPFT201620	20 x 2 - 16 x 2 - 20 x 2	PPSU	39	16	43	20	38	15
PFT261626	26 x 3 - 16 x 2 - 26 x 3	Brass	39	16	44	21	39	16
KPFT261626	26 x 3 - 16 x 2 - 26 x 3	PPSU	39	16	44	21	39	16
PFT262026	26 x 3 - 20 x 2 - 26 x 3	Brass	41	18	44	21	41	18
KPFT262026	26 x 3 - 20 x 2 - 26 x 3	PPSU	41	18	44	21	41	18
PFT321632	32 x 3 - 16 x 2 - 32 x 3	Brass	39	16	47	24	39	16
KPFT321632	32 x 3 - 16 x 2 - 32 x 3	PPSU	39	16	47	24	39	16
PFT322032	32 x 3 - 20 x 2 - 32 x 3	Brass	41	18	47	24	41	18
KPFT322032	32 x 3 - 20 x 2 - 32 x 3	PPSU	41	18	47	24	41	18
PFT322632	32 x 3 - 26 x 3 - 32 x 3	Brass	42	19	47	24	42	19
KPFT322632	32 x 3 - 26 x 3 - 32 x 3	PPSU	42	19	47	24	42	19
PFT402040	40 x 3,5 - 20 x 2 - 40 x 3,5	Brass	41	18	49	26	41	18
PFT402640	40 x 3,5 - 26 x 3 - 40 x 3,5	Brass	43	20	49	26	43	20
PFT403240	40 x 3,5 - 32 x 3 - 40 x 3,5	Brass	46	23	49	26	46	23
PFT502650	50 x 4 - 26 x 3 - 50 x 4	Brass	55	20	56	33	55	20
PFT503250	50 x 4 - 32 x 3 - 50 x 4	Brass	58	23	56	33	58	23
PFT504050	50 x 4 - 40 x 3,5 - 50 x 4	Brass	62	27	56	33	62	27
PFT633263	63 x 4,5 - 32 x 3 - 63 x 4,5	Brass	62	23	61	38	62	23
PFT634063	63 x 4,5 - 40 x 3,5 - 63 x 4,5	Brass	66	27	62	39	66	27
PFT635063	63 x 4,5 - 50 x 4 - 63 x 4,5	Brass	71	32	72	37	71	32

PRESS T-CONNECTOR WITH FEMALE THREAD

kiwa

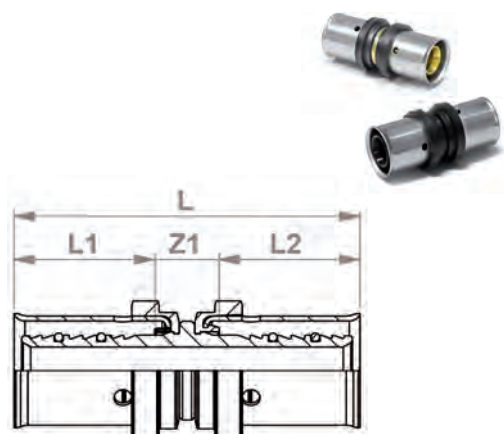




PRESS T-CONNECTOR WITH MALE THREAD



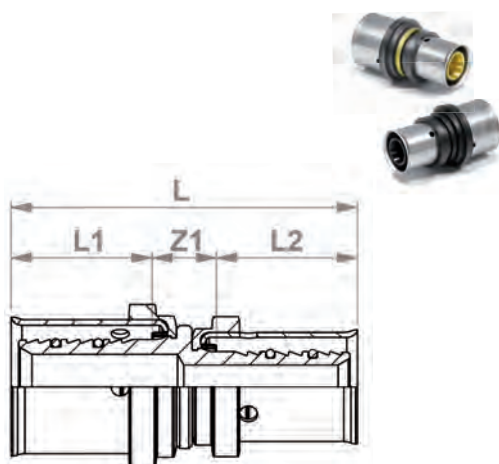
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	Z3 mm	L3 mm	Rp "	SW mm
PFTA160416	16 x 2 - 1/2" - 16 x 2	Brass	42	19	30	16	42	19	1/2	21
PFTA200420	20 x 2 - 1/2" - 20 x 2	Brass	42	19	32	18	42	19	1/2	21
PFTA200520	20 x 2 - 3/4" - 20 x 2	Brass	45	22	34	18	45	22	3/4	27
PFTA260426	26 x 3 - 1/2" - 26 x 3	Brass	41	18	34	18	41	18	1/2	21
PFTA260526	26 x 3 - 3/4" - 26 x 3	Brass	44	21	36	20	44	21	3/4	27
PFTA260626	26 x 3 - 1" - 26 x 3	Brass	49	26	42	22	49	26	1	34
PFTA320532	32 x 3 - 3/4" - 32 x 3	Brass	45	22	40	24	45	22	3/4	27
PFTA320632	32 x 3 - 1" - 32 x 3	Brass	49	26	45	25	49	26	1	34
PFTA320732	32 x 3 - 1 1/4" - 32 x 3	Brass	53	30	52	30	53	30	1 1/4	43
PFTA400640	40 x 3,5 - 1" - 40 x 3,5	Brass	49	26	48	28	49	26	1	34
PFTA500750	50 x 4 - 1 1/4" - 50 x 4	Brass	65	30	62	40	65	30	1 1/4	43
PFTA500850	50 x 4 - 1 1/2" - 50 x 4	Brass	68	33	62	40	68	33	1 1/2	50
PFTA630963	63 x 4,5 - 2" - 63 x 4,5	Brass	78	39	69	44	78	39	2	60



PRESS COUPLING



ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm
PFK1616	16 x 2 - 16 x 2	Brass	57	23	23	11
KPFK1616	16 x 2 - 16 x 2	PPSU	57	23	23	11
PFK2020	20 x 2 - 20 x 2	Brass	57	23	23	11
KPFK2020	20 x 2 - 20 x 2	PPSU	57	23	23	11
PFK2626	26 x 3 - 26 x 3	Brass	57	23	23	11
KPFK2626	26 x 3 - 26 x 3	PPSU	57	23	23	11
PFK3232	32 x 3 - 32 x 3	Brass	58	23	23	12
KPFK3232	32 x 3 - 32 x 3	PPSU	58	23	23	12
PFK4040	40 x 3,5 - 40 x 3,5	Brass	59	23	23	13
PFK5050	50 x 4 - 50 x 4	Brass	83	35	35	13
PFK6363	63 x 4,5 - 63 x 4,5	Brass	90	38,5	38,5	13



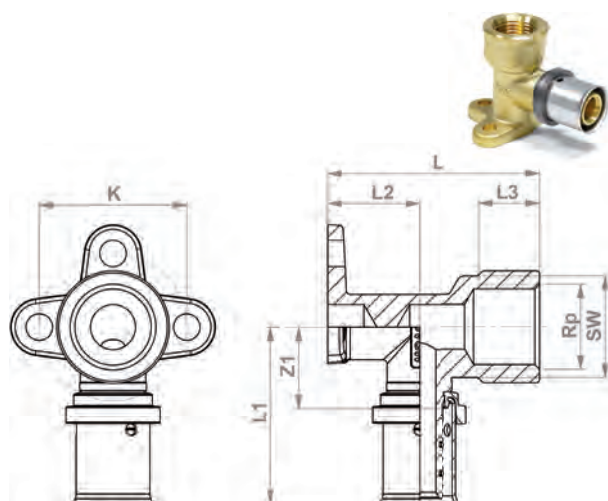
PRESS REDUCED COUPLING



ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	L1 mm
PFK2016	20 x 2 - 16 x 2	Brass	57	23	23	11
KPFK2016	20 x 2 - 16 x 2	PPSU	57	23	23	11
PFK2616	26 x 3 - 16 x 2	Brass	57	23	23	11
PFK2620	26 x 3 - 20 x 2	Brass	57	23	23	11
KPFK2620	26 x 3 - 20 x 2	PPSU	57	23	23	11
PFK3216	32 x 3 - 16 x 2	Brass	58	23	23	12
PFK3220	32 x 3 - 20 x 2	Brass	58	23	23	12
PFK3226	32 x 3 - 26 x 3	Brass	58	23	23	12
KPFK3226	32 x 3 - 26 x 3	PPSU	58	23	23	12
PFK4026	40 x 3,5 - 26 x 3	Brass	59	23	23	13
PFK4032	40 x 3,5 - 32 x 3	Brass	59	23	23	13
PFK5032	50 x 4 - 32 x 3	Brass	71	35	23	13
PFK5040	50 x 4 - 40 x 3,5	Brass	71	35	23	13
PFK6340	63 x 4,5 - 40 x 3,5	Brass	75	39	23	13
PFK6350	63 x 4,5 - 50 x 4	Brass	87	39	35	13



PRESS END PLUG



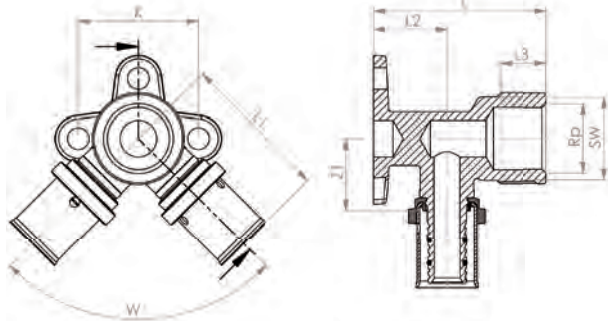
PRESS WALL ELBOW



ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	L3 mm	L mm	K mm	Rp "	SW mm
PFWWK1603	16 x 2 - 3/8" - 39 mm	Brass	44	21	175	14	39	36	3/8	25
PFWWK1604	16 x 2 - 1/2" - 39 mm	Brass	46	23	175	14	39	36	1/2	27
PFWWM1604	16 x 2 - 1/2" - 52 mm	Brass	46	23	225	14	52	36	1/2	27
PFWWL1604	16 x 2 - 1/2" - 78 mm	Brass	46	23	225	14	78	36	1/2	27
PFWWM2004	20 x 2 - 1/2" - 52 mm	Brass	46	23	225	14	52	36	1/2	27
PFWWL2004	20 x 2 - 1/2" - 78 mm	Brass	46	23	225	14	78	36	1/2	27
PFWWM2005	20 x 2 - 3/4" - 52 mm	Brass	48	23	225	14	78	36	1/2	27
PFWWM2605	26 x 3 - 3/4" - 52 mm	Brass	48	25	225	16	52	36	3/4	33



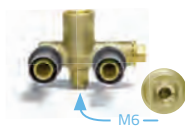
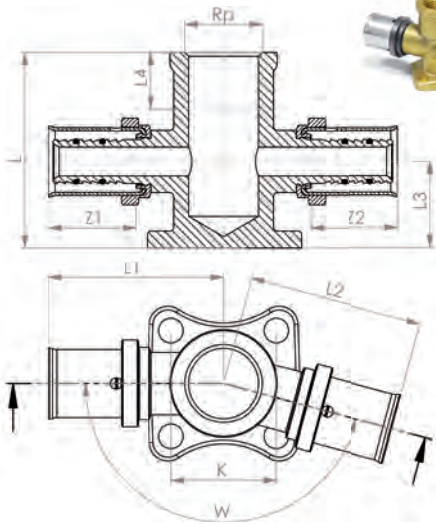
PRESS WALL ELBOW DOUBLE – V-SHAPED



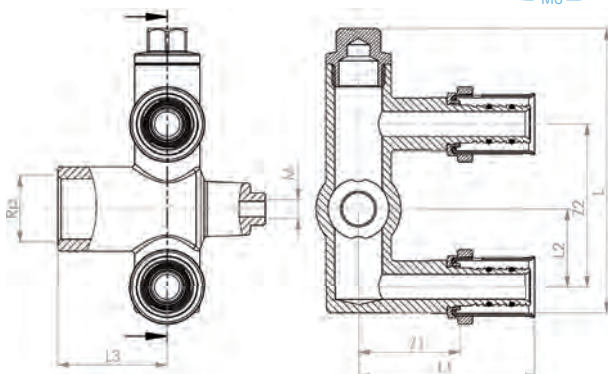
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	L mm	L3 mm	Rp "	SW mm	W mm	K mm
PFWWD160416	16 x 2 - 1/2" - 16 x 2	Brass	45	22	22	52	14	1/2	27	90	36
PFWWD200420	20 x 2 - 1/2" - 20 x 2	Brass	45	22	24	52	14	1/2	27	90	36



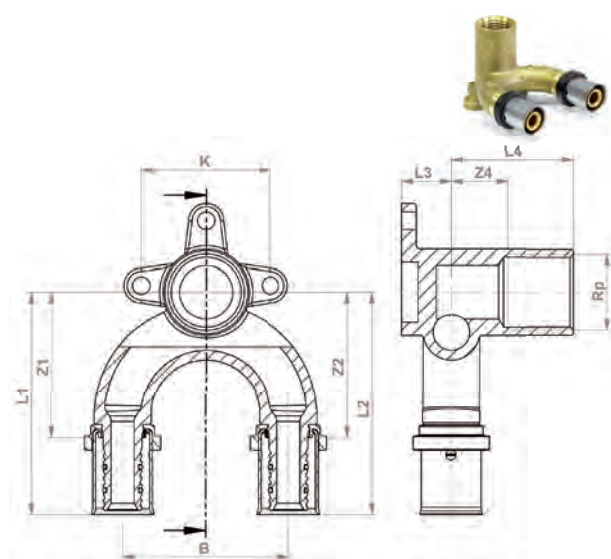
PRESS WALL ELBOW DOUBLE – SERIES SHAPED



PRESS WALL ELBOW DOUBLE – U-SHAPED



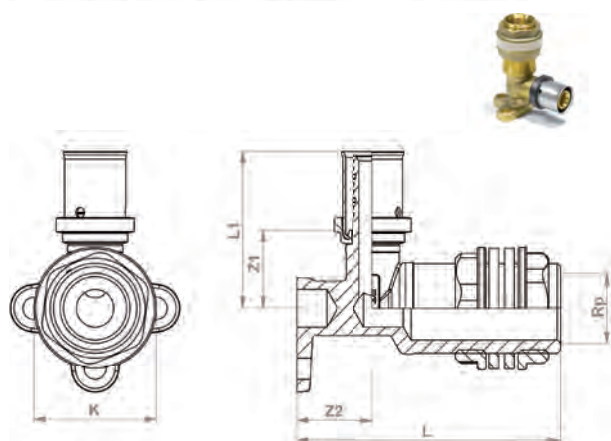
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	L mm	Rp "	M mm	L3 mm
PFWWU160416	16 x 2 - 1/2" - 16 x 2	Brass	54	31	24	50	88	1/2	6	34
PFWWU200420	20 x 2 - 1/2" - 20 x 2	Brass	54	31	24	50	88	1/2	6	34



PRESS WALL ELBOW DOUBLE – U-SHAPED CURVED



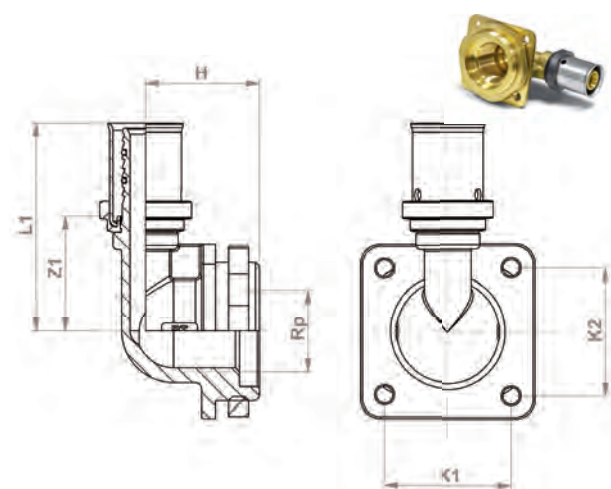
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	Z2 mm	B mm	K mm	Rp "	L3 mm	L4 mm	Z4 mm
PFWWUSA160416	16 x 2 - ½" - 16 x 2	Brass	67	44	67	44	50	39	½	15	37	17
PFWWUSA200420	20 x 2 - ½" - 20 x 2	Brass	67	44	67	44	50	39	½	15	37	17



PRESS WALL BUSHING WITH FEMALE THREAD



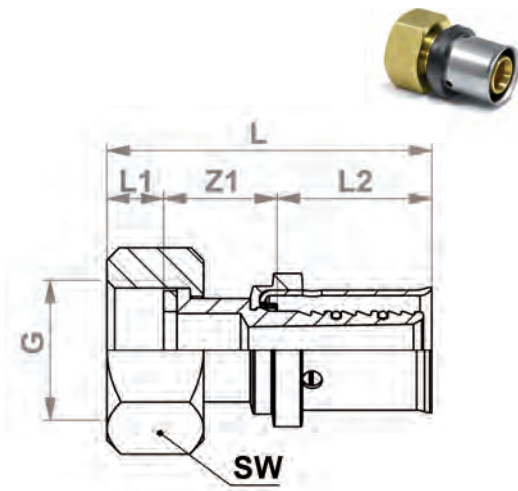
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L mm	Z2 mm	Rp "	K mm
PFWDF1604	16 x 2 mm - ½"	Brass	46	23	78	225	½	36
PFWDF2004	20 x 2 mm - ½"	Brass	46	23	78	225	½	36



PRESS TOILET CONNECTION



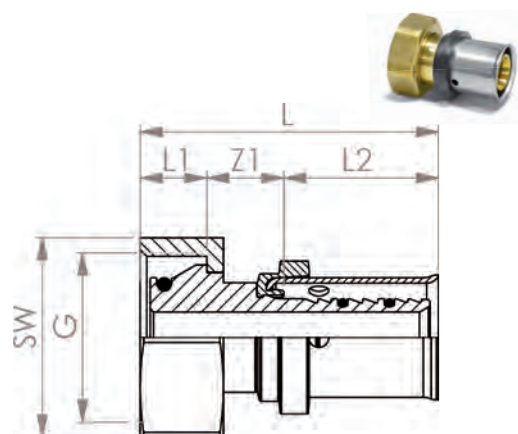
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	H mm	Rp "	K1 mm	K2 mm
PFTC16	16 x 2 mm - ½"	Brass	52	29	285	½	32	32



PRESS CONNECTOR SCREW CONNECTOR WITH FEMALE THREAD



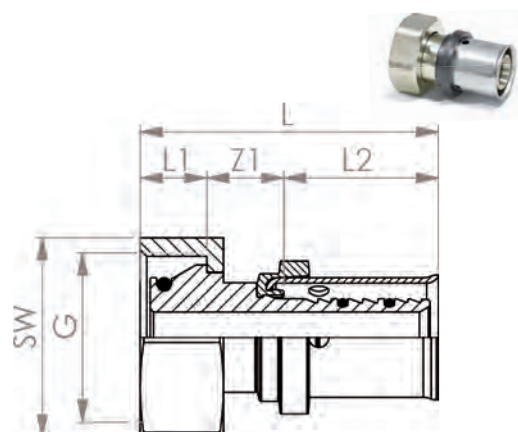
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	L mm	G "	SW mm
PFV1604	16 x 2 - 1/2"	Brass	9	17	23	49	1/2	27
PFV1605	16 x 2 - 3/4"	Brass	8	15	23	46	3/4	32
PFV2004	20 x 2 - 1/2"	Brass	9	17	23	49	1/2	27
PFV2005	20 x 2 - 3/4"	Brass	9	17	23	49	3/4	32
PFV2006	20 x 2 - 1"	Brass	10	19	23	53	1	40
PFV2008	20 x 2 - 1 1/2"	Brass	10	13	23	46	1 1/2	52
PFV2605	26 x 3 - 3/4"	Brass	8	18	23	49	3/4	32
PFV2606	26 x 3 - 1"	Brass	10	21	23	54	1	40
PFV2608	26 x 3 - 1 1/2"	Brass	10	13	23	46	1 1/2	54
PFV3206	32 x 3 - 1"	Brass	10	19	23	53	1	40
PFV3207	32 x 3 - 1 1/4"	Brass	10	19	23	53	1 1/4	48
PFV3208	32 x 3 - 1 1/2"	Brass	10	20	23	53	1 1/2	54
PFV4007	40 x 3,5 - 1 1/4"	Brass	10	22	23	55	1 1/4	48
PFV4008	40 x 3,5 - 1 1/2"	Brass	10	20	23	53	1 1/2	52
PFV5009	50 x 4 - 2"	Brass	13	25	35	73	2	66
PFV6310	63 x 4,5 - 2 1/2"	Brass	19	34	39	92	2 1/2	82



PRESS CONNECTOR SCREW CONNECTOR WITH EUROCONE THREAD

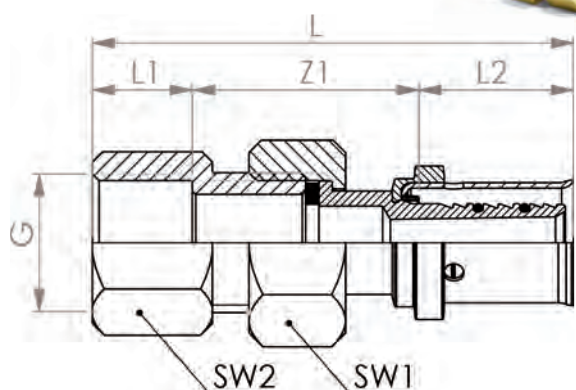


ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	G mm	SW mm
PFV1605EK	16 x 2 - 3/4"	Brass	45	10	23	12	3/4	30
PFV2005EK	20 x 2 - 3/4"	Brass	47	10	23	14	3/4	30



PRESS CONNECTOR SCREW CONNECTOR WITH EUROCONE THREAD, NICKEL-PLATED

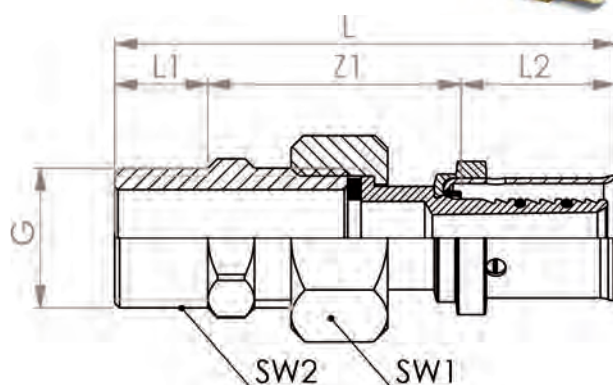
ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	G mm	SW mm
PFV1605EK	16 x 2 - 3/4"	Brass, Nickel-plated	45	10	23	12	3/4	30
PFV2005EK	20 x 2 - 3/4"	Brass, Nickel-plated	47	10	23	14	3/4	30



PRESS CONNECTOR SCREW CONNECTOR WITH FEMALE THREAD



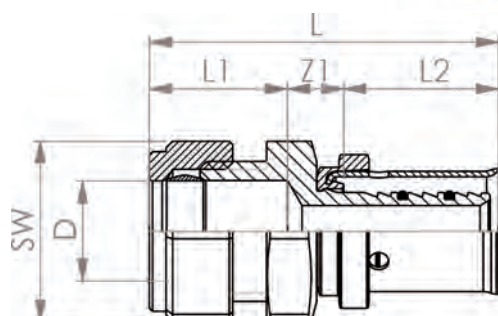
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	L mm	G mm	SW1 mm	SW2 mm
PFV1604IG	16 x 2 - 1/2"	Brass	15	34	23	72	1/2	27	24
PFV1605IG	16 x 2 - 3/4"	Brass	16	33	23	72	3/4	32	31
PFV2004IG	20 x 2 - 1/2"	Brass	15	35	23	73	1/2	27	24
PFV2005IG	20 x 2 - 3/4"	Brass	16	34	23	73	3/4	32	31
PFV2605IG	26 x 3 - 3/4"	Brass	16	35	23	74	3/4	32	31
PFV2606IG	26 x 3 - 1"	Brass	16	40	23	79	1	40	37
PFV3206IG	32 x 3 - 1"	Brass	16	42	23	81	1	40	37
PFV3207IG	32 x 3 - 1 1/4"	Brass	17	40	23	80	1 1/4	48	46



PRESS CONNECTOR SCREW CONNECTOR WITH MALE THREAD



ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L2 mm	L mm	G mm	SW1 mm	SW2 mm
PFV1604AG	16 x 2 - 1/2"	Brass	14	38	23	75	1/2	27	21
PFV1605AG	16 x 2 - 3/4"	Brass	15	37	23	75	3/4	32	27
PFV2004AG	20 x 2 - 1/2"	Brass	14	39	23	76	1/2	27	21
PFV2005AG	20 x 2 - 3/4"	Brass	15	38	23	76	3/4	32	32
PFV2605AG	26 x 3 - 3/4"	Brass	15	40	23	78	3/4	32	27
PFV2606AG	26 x 3 - 1"	Brass	16	44	23	83	1	40	35
PFV3206AG	32 x 3 - 1"	Brass	16	45	23	84	1	40	35
PFV3207AG	32 x 3 - 1 1/4"	Brass	16	43	23	82	1 1/4	48	44

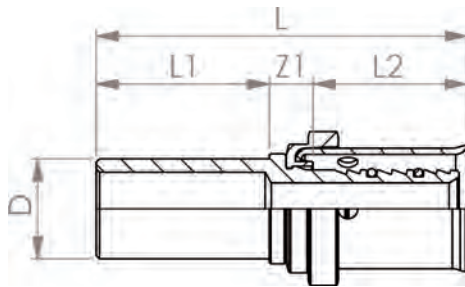


PRESS CONNECTOR ON COPPER PIPE SCREW CONNECTION

ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	D mm	SW mm
PFUEK1615	16 x 2 - 15 mm	Brass	51	20	23	8	15	25
PFUEK2018	20 x 2 - 18 mm	Brass	54	22	23	9	18	28
PFUEK2022	20 x 2 - 22 mm	Brass	54	22	23	9	22	35
PFUEK2622	26 x 3 - 22 mm	Brass	54	22	23	9	22	35
PFUEK2628	26 x 3 - 28 mm	Brass	56	22	23	11	28	40
PFUEK3228	32 x 3 - 28 mm	Brass	57	22	23	12	28	40
PFUEK3235	32 x 3 - 35 mm	Brass	59	25	23	11	35	49
PFUEK4035	40 x 3,5 - 35 mm	Brass	59	25	23	11	35	49



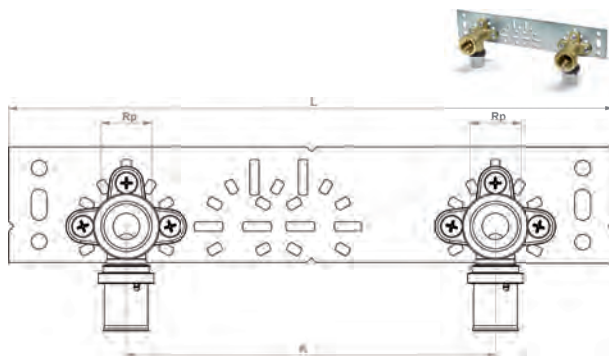
PRESS CONNECTOR ON COPPER PIPE NICKEL-PLATED – PRESS CONNECTION



ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	Z1 mm	D mm
PFUEK1615	16 x 2 - 15 mm	Brass, Nickel-plated	56	26	23	7	15
PFUEK2018	20 x 2 - 18 mm	Brass, Nickel-plated	56	26	23	7	15
PFUEK2022	20 x 2 - 22 mm	Brass, Nickel-plated	56	26	23	7	18
PFUEK2622	26 x 3 - 22 mm	Brass, Nickel-plated	56	26	23	7	22
PFUEK2628	26 x 3 - 28 mm	Brass, Nickel-plated	56	26	23	7	22
PFUEK3228	32 x 3 - 28 mm	Brass, Nickel-plated	56	25	23	8	28

PRESS WALL ELBOW

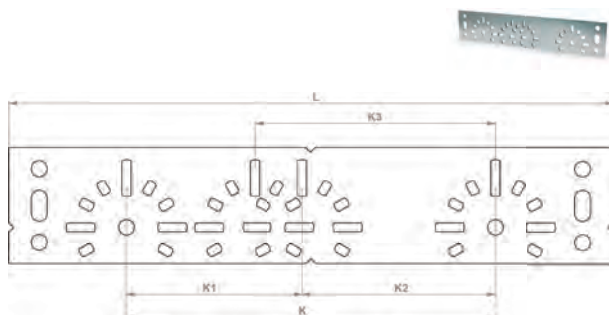
MOUNTED ON MOUNTING PLATE INSIDE MICROMETER 153 MM



ITEM NO.	SIZE	MATERIAL	K mm	L mm	Rp "	Rp "
PFWWSET1604	16 x 2 - 1/2"	Brass / sheet metal DIN EN 10142	153	250	1/2	1/2
PFWWSET2004	20 x 2 - 1/2"	DX51 D+Z or plastic	153	250	1/2	1/2

MOUNTING PLATE

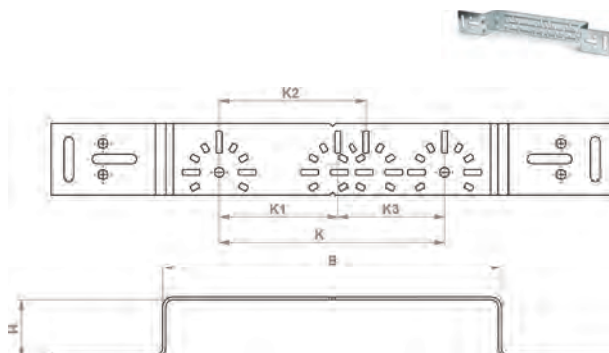
FOR WALL ELBOW, INSIDE MICROMETER 73, 80, 100, 153 MM



ITEM NO.	SIZE	MATERIAL	L mm	K mm	K1 mm	K2 mm	K3 mm
MP153	250 / 48 mm	Sheet metal DIN EN 10142 DX51 D+Z or plastic	250	153	73	80	100

MOUNTING PLATE

MOUNTED ON MOUNTING PLATE, ANGLED, INSIDE MICROMETER 153 MM

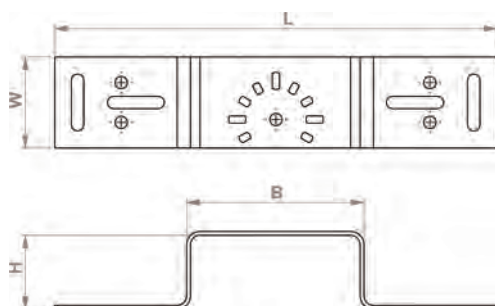


ITEM NO.	SIZE	MATERIAL	B mm	H mm	K mm	K1 mm	K2 mm	K3 mm
MPGU	385 mm	Sheet metal DIN EN 10142 DX51 D+Z	229	42	153	80	100	73



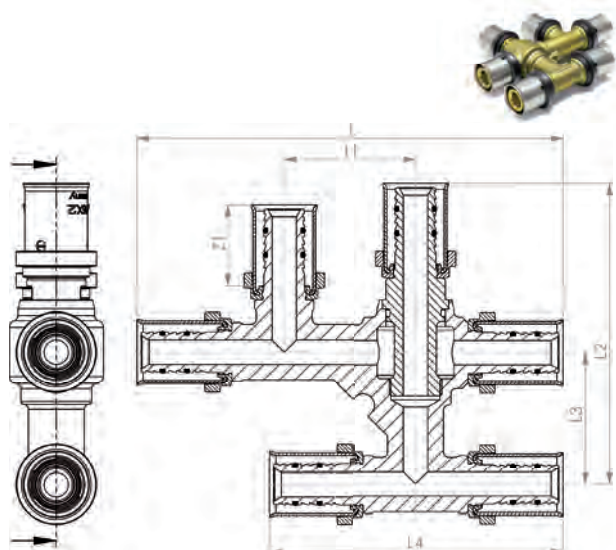
MOUNTING PLATE

FOR ONE WALL ELBOW



ITEM NO.	SIZE	MATERIAL	B mm	H mm	W mm	L mm
MPKU	228 mm, Installation 40 mm	Sheet metal DIN EN 10142 DX51 D+Z	94	39	48	228

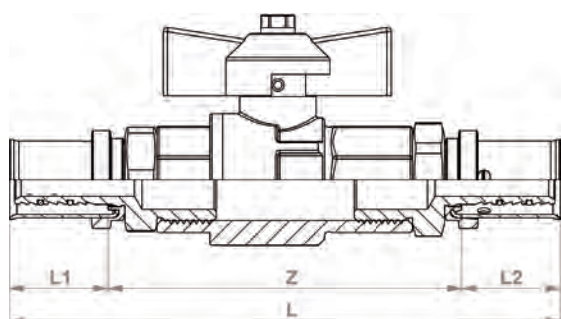
PRESS T-CONNECTOR, CROSS-FREE



ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	Z1 mm	L2 mm	L3 mm	L4 mm
PFKFT161616	16 x 2 - 16 x 2 - 16 x 2	Brass	122	38	23	86	38	84
PFKFT201616	20 x 2 - 16 x 2 - 16 x 2	Brass	122	38	23	86	38	84
PFKFT201620	20 x 2 - 16 x 2 - 20 x 2	Brass	122	38	23	86	38	84
PFKFT202020	20 x 2 - 20 x 2 - 20 x 2	Brass	122	38	23	86	38	84

PRESS BALL VALVE

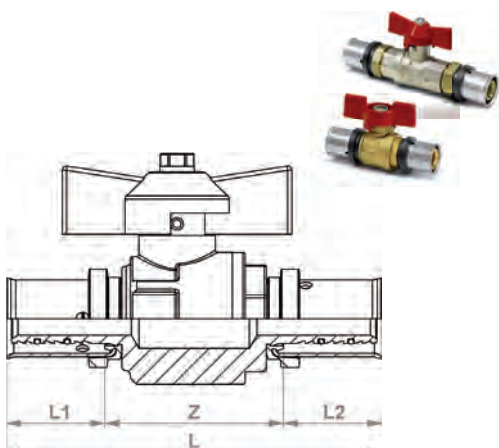
GREEN BUTTERFLY – HANDLE PLUMBING (DVGW CERTIFICATION)



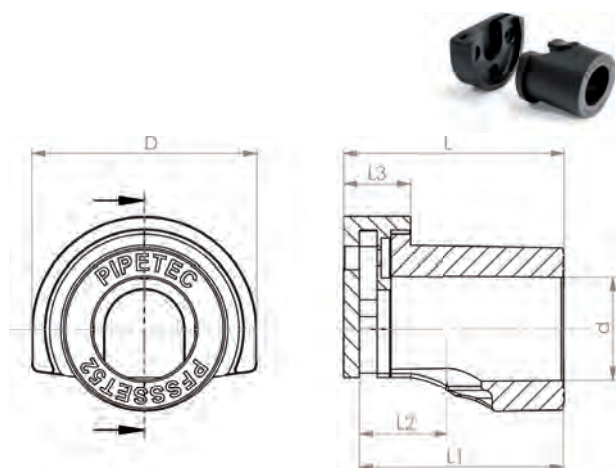
ITEM NO.	SIZE	MATERIAL	L1 mm	Z mm	L2 mm	L mm
PFKU16D	16 x 2	Brass	23	83	23	129
PFKU20D	20 x 2	Brass	23	84	23	130
PFKU26D	26 x 3	Brass	23	91	23	137
PFKU32D	32 x 3	Brass	23	113	23	159
PFKU40D	40 x 3,5	Brass	23	139	23	185
PFKU50D	50 x 4	Brass	35	154	35	224
PFKU63D	63 x 4,5	Brass	39	161	39	239

**PRESS BALL VALVE**

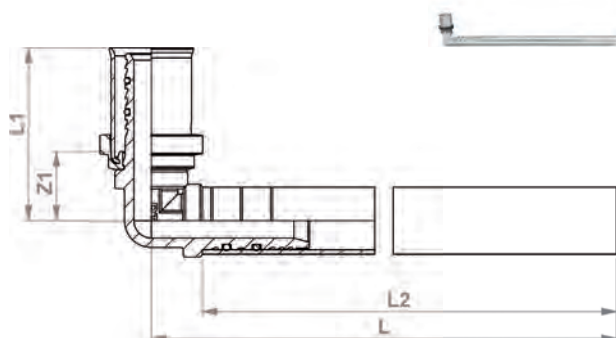
RED BUTTERFLY – HANDLE HEATING (NO DVGW CERTIFICATION)



ITEM NO.	SIZE	MATERIAL	L1 mm	Z mm	L2 mm	L mm
PFKU16	16 x 2	Brass	23	39	23	85
PFKU20	20 x 2	Brass	23	40	23	86
PFKU26	26 x 3	Brass	23	45	23	91
PFKU32	32 x 3	Brass	23	106	23	152
PFKU40	40 x 3,5	Brass	23	120	23	166
PFKU50	50 x 4	Brass	35	126	35	196
PFKU63	63 x 4,5	Brass	39	148	39	226

SOUND INSULATION SET FOR WALL ELBOW

ITEM NO.	SIZE	MATERIAL	L mm	L1 mm	L2 mm	L3 mm	D mm	d mm
PFSSSET39	39 mm	TPE	43	39	17,5	17	57	26
PFSSSET52	52 mm	TPE	56	52	22,5	17	57	26
PFSSSET78	78 mm	TPE	82	78	22,5	17	57	26

PRESS RADIATOR CONNECTION ELBOW, NICKEL-PLATED

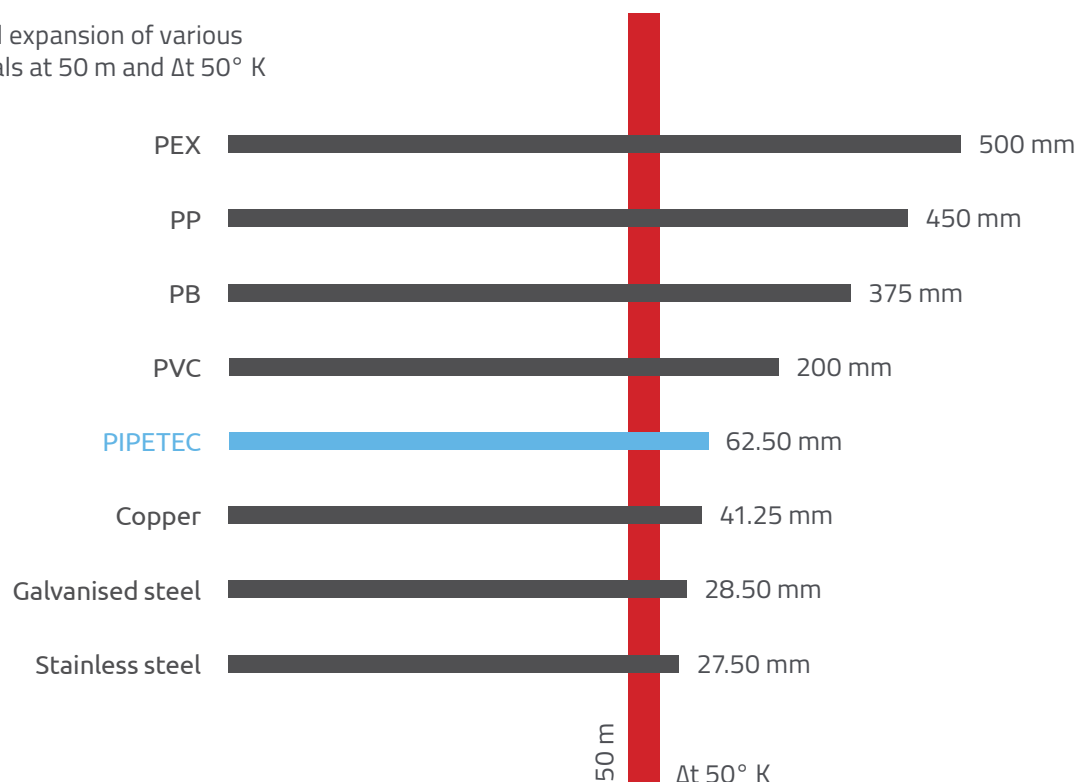
ITEM NO.	SIZE	MATERIAL	L1 mm	Z1 mm	L mm	L2 mm
PFHAW16300	16 x 2 - 15 mm - 300 mm	Brass/Copper nickel-plated	39	15	300	289
PFHAW20300	20 x 2 - 15 mm - 300 mm	Brass/Copper nickel-plated	41	17	300	287



GENERAL TECHNICAL DATA / INSTALLATION INSTRUCTIONS

LONGITUDINAL EXPANSION PIPETEC METAL COMPOSITE PIPES

Longitudinal expansion of various pipe materials at 50 m and Δt 50° K



PIPE ROUGHNESS PIPETEC METAL COMPOSITE PIPES AND PE-RT

Pipe wall roughness values for various materials:

COPPER

k_{new} 0.0015 mm
 k_{used} 0.03 mm

PIPETEC / PLASTIC

k_{new} 0.007 mm
 k_{used} 0.007 mm

GALVANISED STEEL PIPE

k_{new} 0.15 mm - 0.16 mm
 k_{used} up to 4.0 mm

SEAMLESS STEEL PIPES

k_{new} 0.02 - 0.06 mm
 k_{used} up to 4.0 mm



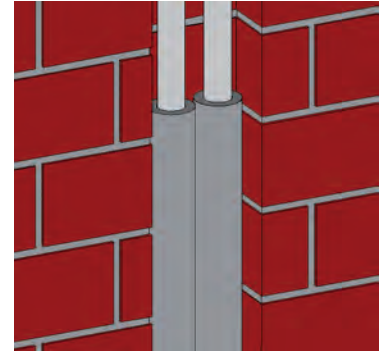
INSULATION OF PIPELINES

Meets the German Building Energy Act (GEG)

50% Insulation 100%

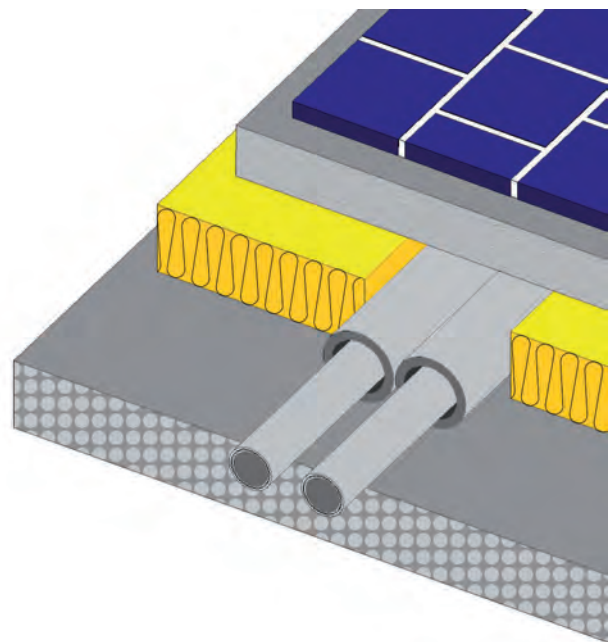
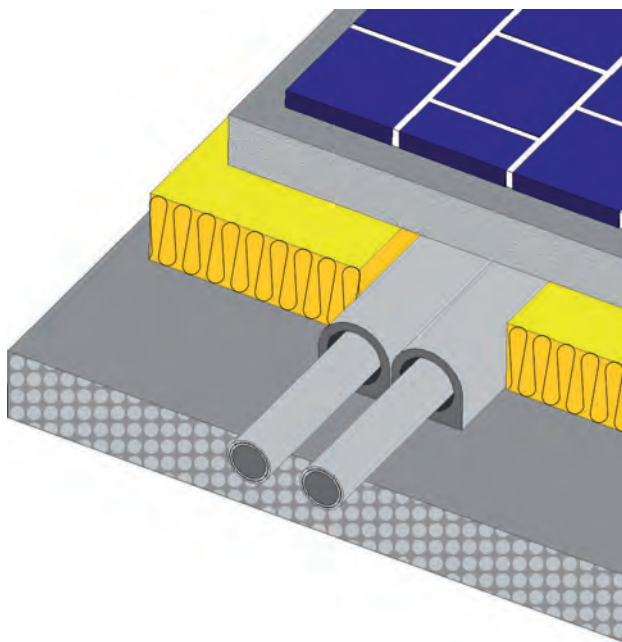
Risers in a shaft or flush-mounted
between heated rooms of various
users

can be laid next to unheated
rooms, the ground and outside air.



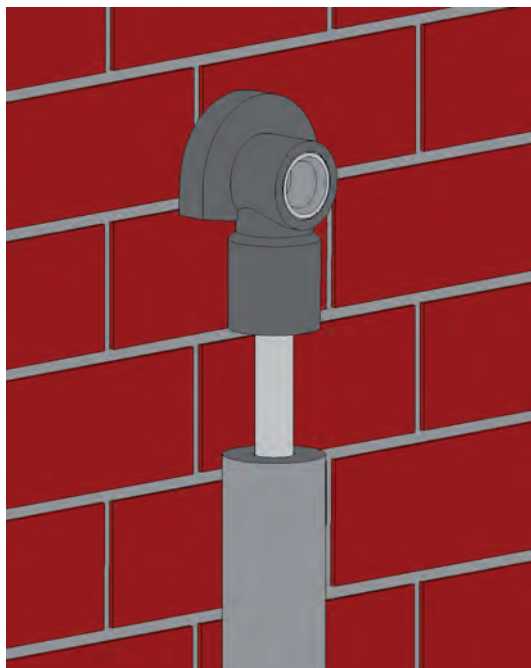
FLOOR CONSTRUCTION

Pre-insulated Pipetec multilayer composite pipe

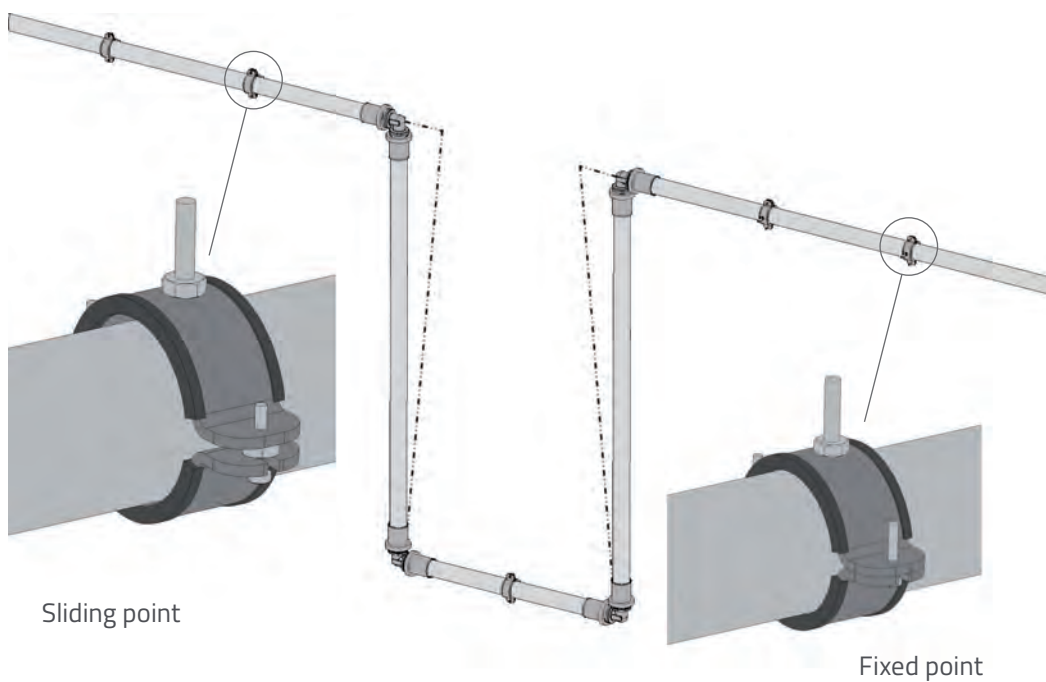




NOISE PROTECTION



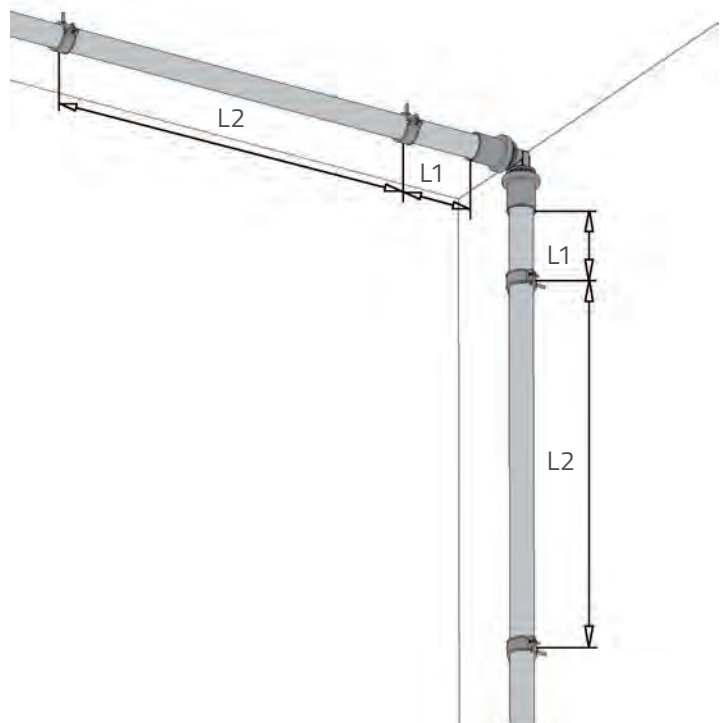
LONGITUDINAL EXPANSION





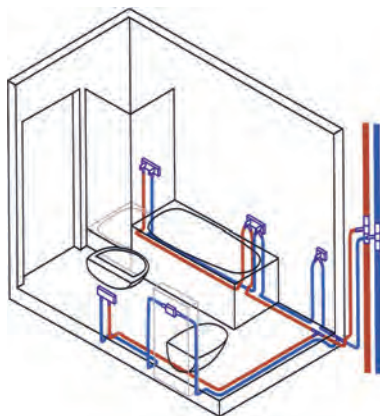
FIXING SPACINGS

DN	PIPE DIMENSIONS MM	L2 (CM) MAX. FIXING SPACINGS	
		VERTICAL	HORIZONTAL
16	16 x 2.00	135	150
20	20 x 2.00	150	175
26	26 x 3.00	165	200
32	32 x 3.00	200	200
40	40 x 3.50	250	250
50	50 x 4.00	250	250
63	63 x 4.50	250	250

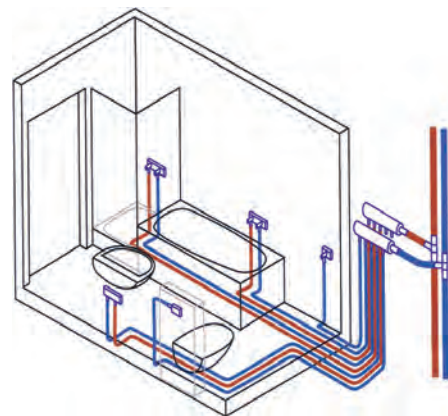


LAYING INSTRUCTIONS

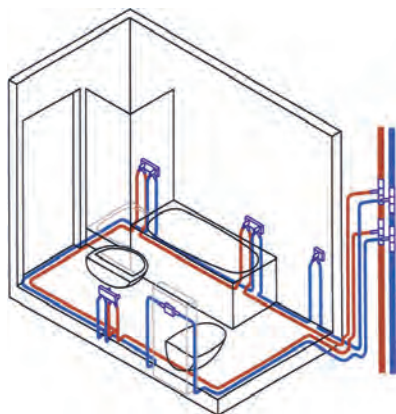
Group connection



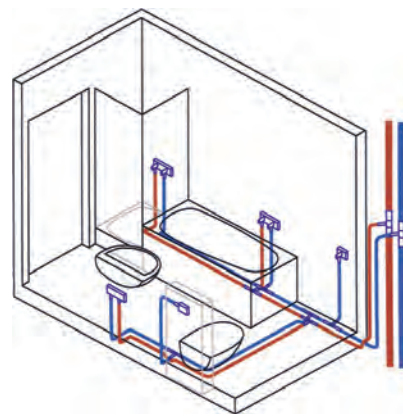
Manifold system



Ring line

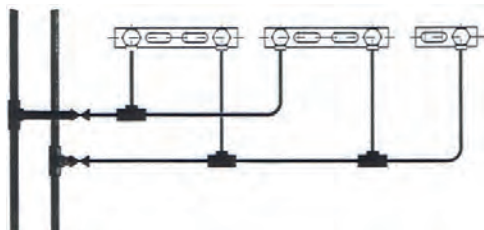


T-piece installation

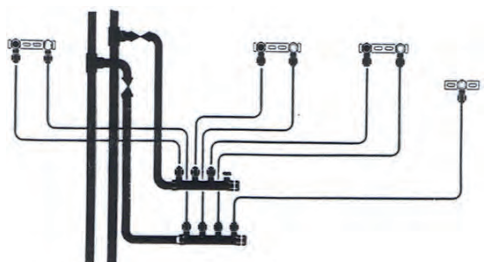




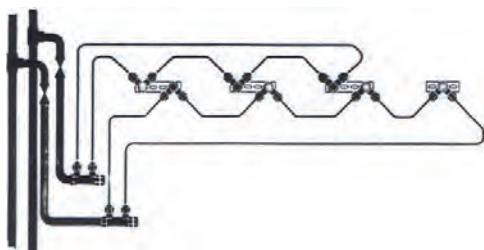
SAMPLE INSTALLATIONS



Conventional
distribution system



Individual distribution system



Ring line system

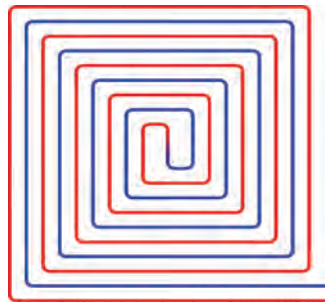


ASSEMBLY AND LAYING GUIDELINES

Underfloor heating

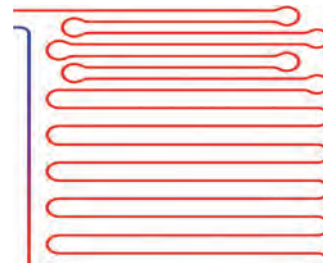
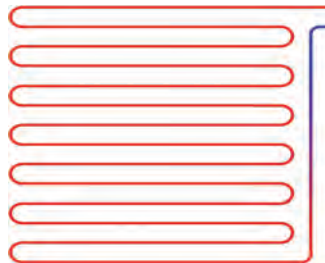
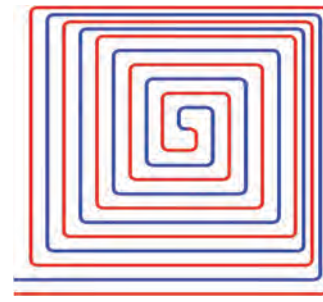
BIFILAR INSTALLATION

Spiral pattern with return loop in the centre of the heating circuit. The even installation of feed and return results in a very consistent distribution of heat.



BIFILAR INSTALLATION WITH EDGE ZONE

Serpentine pattern with edge zone included on two sides of the room.



MEANDERING INSTALLATION

Serpentine pattern with return loop at the end of the heating circuit. Continuous installation without inclusion of the return results in a higher temperature at the start of the heating circuit.

MEANDERING INSTALLATION WITH EDGE ZONE

With this type of installation, the edge zone raises the temperature increase at the start of the heating circuit.



SAMPLE CALCULATION

Two-pipe heating with radiators

Taking account of the maximum flow speeds, the following heat outputs/volume flows can be connected:

<i>Recommendation:</i> Radiator connection pipes	≤ 0.3 m/s
Heating distribution pipes	≤ 0.5 m/s
Heating risers and cellar pipes	≤ 1.0 m/s

Note pressure loss Δp !

RADIATOR CONNECTION PIPES

PIPE DIMENSIONS IN MM Ø	16 X 2	20 X 2	26 X 3	32 X 3
VOLUME FLOW VMAX IN L/H	130			
FLOW SPEED MAX IN M/S	0.30			
HEAT OUTPUT QN IN KCAL/H AT 20°C	2,600			
HEAT OUTPUT QN IN WATTS AT 20°C	3,023			

HEATING DISTRIBUTION PIPES

PIPE DIMENSIONS IN MM Ø	16 X 2	20 X 2	26 X 3	32 X 3
VOLUME FLOW VMAX IN L/H	220	450	700	900
FLOW SPEED MAX IN M/S	0.50	0.50	0.50	0.50
HEAT OUTPUT QN IN KCAL/H AT 20°C	4,400	6,800	14,500	18,000
HEAT OUTPUT QN IN WATTS AT 20°C	5,116	7,890	16,800	20,930

HEATING RISERS AND CELLAR PIPES

PIPE DIMENSIONS IN MM Ø	16 X 2	20 X 2	26 X 3	32 X 3
VOLUME FLOW VMAX IN L/H	440	900	1,400	1,800
FLOW SPEED MAX IN M/S	1.00	1.00	1.00	1.00
HEAT OUTPUT QN IN KCAL/H AT 20°C	8,800	13,600	29,000	36,000
HEAT OUTPUT QN IN WATTS AT 20°C	10,233	15,780	33,600	41,860

SAMPLE CALCULATION OF VOLUME FLOW (FLOW RATE IN L/H)

Heat output: $Q_N/W \times 0.86$
 Temperature difference: Δt (TV-TR) = Volume flow V in l/h

$$\frac{Q_N = 1,000 \text{ W} \times 0.86}{\Delta t 20^\circ\text{C}} = V = 43 \text{ l/h}$$

Note:

For heating circuits connected to a system (single pipe heating), the entire ring volume flow of all radiators must be taken into account!



INSTALLATION INSTRUCTIONS FOR PIPETEC MS / PPSU PRESS FITTINGS

The aluminium composite pipe is cut to the desired length using pipe cutters. The calibrator then ensures that the pipe end is completely round and deburred after cutting. At the same time the pipe interior is chamfered to allow the fitting to be inserted into the pipe without damaging the O-ring. Finally, the three openings (inspection windows) at the end of the stainless steel sleeve, which indicate the correct position of the pipe in the fitting, guarantee a correct pressing operation.

► NOTE

Perfect functioning of the pipe connection can only be ensured by using fittings with the DVGW-certified Pipetec aluminium multilayer composite pipe. Please note how important it is to ensure correct and expert calibration and deburring using a suitable tool. Always protect fittings with insulation or suitable adhesive tape to protect them from direct contact with concrete, screed, construction foam, mortar, etc. Make sure installation is stress-free! Brass threads that are sealed too tightly (especially when using hemp) can lead to tension in the brass. This can lead to stress corrosion cracking due to assembly.



1

CUTTING THE PIPE TO LENGTH

The pipe must be cut to the desired length using a suitable tool. The cross-sectional area of the cut must be perpendicular to the pipe. Diagonal cuts must be avoided.

Handsaws, jigsaws and blunt tools are not suitable for cutting to length.



2

CALIBRATING AND DEBURRING THE PIPE

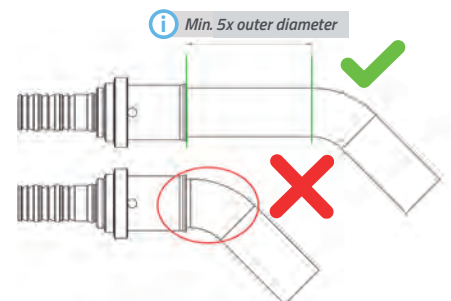
The pipe end must be calibrated and deburred after trimming. To do this, the calibrator must first be inserted into the pipe up to the stop. Deburring is then completed by turning the calibrator. Turning removes material from the interior of the pipe, creating a chamfer on the end of the pipe. This chamfer makes it easier to insert the fitting and protects the O-rings from damage.



3

ASSEMBLY OF FITTINGS

Use appropriate force to insert the fitting into the end of the pipe axially up to the stop. The three inspection windows on the stainless steel pressing sleeve indicate the correct insertion depth. Please do not use additional lubricant.



4

PRESSING

Using an appropriate pressing tool and pressing jaws that match the dimensions of the fitting, press until the pressing jaws are fully closed and the pressing process is complete. Then check the connection. It is essential to carry out a pressure and leak test (see page 94).





ASSEMBLY INSTRUCTIONS FOR PIPETEC SCREW FITTINGS

Neither pressing tools nor pressing jaws are required for assembling compression fittings. Leak-tightness is achieved simply by tightening the union nut. The clamping ring is crimped onto the pipe using the cone on the inside of the union nut.

► NOTE

Perfect functioning of the pipe connection can only be ensured by using fittings with the DVGW-certified Pipetec aluminium multilayer composite pipe. Please note how important it is to ensure correct and expert calibration and deburring using a suitable tool. Always protect fittings with insulation or suitable adhesive tape to protect them from direct contact with concrete, screed, construction foam, mortar, etc. Make sure installation is stress-free! Brass threads that are sealed too tightly (especially when using hemp) can lead to tension in the brass. This can lead to stress corrosion cracking due to assembly.


1

CUTTING THE PIPE TO LENGTH

The pipe must be cut to the desired length using a suitable tool. The cross-sectional area of the cut must be perpendicular to the pipe. Diagonal cuts must be avoided.

Handsaws, jigsaws and blunt tools are not suitable for cutting to length.


2

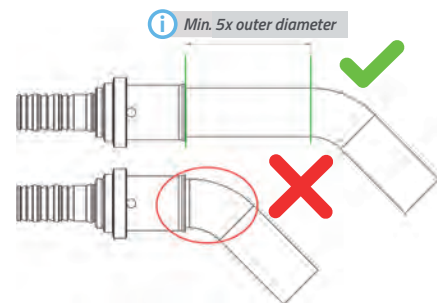
CALIBRATING AND DEBURRING THE PIPE

The pipe end must be calibrated and deburred after trimming. To do this, the calibrator must first be inserted into the pipe up to the stop. Deburring is then completed by turning the calibrator. Turning removes material from the interior of the pipe, creating a chamfer on the end of the pipe. This chamfer makes it easier to insert the fitting and protects the O-rings from damage.


3

ASSEMBLY OF FITTINGS

Union nut and clamping ring must be positioned on the pipe as per the illustration. The nipple of the basic body is then fully inserted into the pipe. Clamping ring and union nut are pushed into the basic fitting body up to the stop. The union nut can then be tightened by hand.


4

TIGHTENING THE CONNECTION

The union nut must be tightened using a suitable tool until the corresponding resistance is reached. Then check the connection. It is essential to carry out a pressure and leak test (see page 94).

The recommended tightening torques for our screw fittings are:

Size 16 pipe	> 20 Nm
Size 20 pipe	> 30 Nm
Size 26 pipe	> 45 Nm
Size 32 pipe	> 75 Nm



ASSEMBLY INSTRUCTIONS FOR PIPETEC PUSH FITTINGS

The aluminium composite pipe is cut to the desired length using pipe cutters. Calibration is required to ensure that the pipe end is completely round and deburred after cutting. At the same time, calibration creates a chamfer. This allows the fitting to be inserted into the pipe without damaging the sealing ring.

► NOTE

Perfect functioning of the pipe connection can only be ensured by using fittings with the DVGW-certified Pipetec aluminium multilayer composite pipe. Please note how important it is to ensure correct and expert calibration and deburring using a suitable tool. The connection is permanent! Before attaching the fitting, please ensure that the pipe is the required length and no attachment clips or similar have to be placed over the pipe. Always protect fittings with insulation or suitable adhesive tape to protect them from direct contact with concrete, screed, construction foam, mortar, etc. Make sure installation is stress-free! Brass threads that are sealed too tightly (especially when using hemp) can lead to tension in the brass. This can lead to stress corrosion cracking due to assembly.



1

CUTTING THE PIPE TO LENGTH

The pipe must be cut to the desired length using a suitable tool. The cross-sectional area of the cut must be perpendicular to the pipe. Diagonal cuts must be avoided.

Handsaws, jigsaws and blunt tools are not suitable for cutting to length.



2

CALIBRATING AND DEBURRING THE PIPE

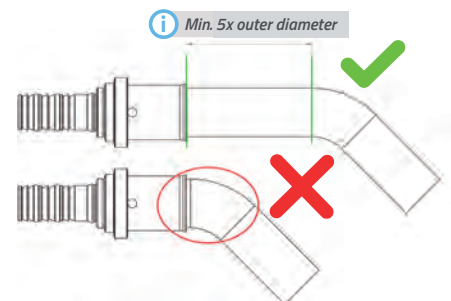
The pipe end must be calibrated and deburred after trimming. To do this, the calibrator must first be inserted into the pipe up to the stop. Deburring is then completed by turning the calibrator. Turning removes material from the interior of the pipe, creating a cone that makes it easier to insert fittings and also protects the wedge seal from damage. **PLEASE NOTE: Please use only our grey K1626 calibrator for calibration!**



3

ASSEMBLY OF FITTINGS

Use appropriate force to insert the fitting into the end of the pipe axially up to the stop. The two integrated inspection windows indicate the correct insertion depth. Both inspection windows must be filled by the white pipe. The fittings are prepared for immediate assembly in the factory, please do not use additional lubricant.



4

FINAL TESTING

Check that the pipe is firmly in place. It must not be possible to pull the pipe out. It is essential to carry out a pressure and leak test (see page 94).



PIPETEC® TEST REPORTS

PRESSURE AND LEAK-TIGHTNESS TEST AND FLUSHING OF PIPETEC DRINKING WATER AND HEATING INSTALLATION

LEAK-TIGHTNESS TEST WITH COMPRESSED AIR / INERT GAS / FORMING GAS

CONTENTS

104	GENERAL
104	PRESSURE TEST WITH COMPRESSED AIR OR INERT GASES
105	LEAK-TIGHTNESS TEST REPORT FOR PIPETEC WATER / HEATING INSTALLATIONS. TESTING MEDIUM: COMPRESSED AIR / INERT GASES
106	PRESSURE TEST WITH WATER
107	LEAK-TIGHTNESS TEST REPORT FOR PIPETEC DRINKING WATER INSTALLATIONS. TESTING MEDIUM: WATER
108	FLUSHING OF PIPETEC DRINKING WATER INSTALLATIONS
109	FLUSHING REPORT FOR PIPETEC DRINKING WATER INSTALLATIONS. FLUSHING MEDIUM: WATER

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PRESSURE TEST, LEAK-TIGHTNESS TEST AND FLUSHING OF PIPETEC DRINKING WATER / HEATING INSTALLATIONS

► GENERAL

A pressure test in accordance with DIN EN 806-4 or the ZVSHK leaflet "Leak-tightness tests for drinking water installations with compressed air, inert gas or water" must be carried out for Pipetec drinking water installation systems. First it must be ensured that all installation components are freely accessible and visible, so that incorrectly installed fittings can be found, for example. The leak-tightness test

can be carried out with water only if, from the time of the leak-tightness test to commissioning of the drinking water installation, changes of the water are carried out at regular intervals, at the latest every seven days. In all other cases, it is advisable to carry out the pressure test with compressed air or inert gases.

► PRESSURE TEST WITH COMPRESSED AIR OR INERT GASES

Pressure test with compressed air or inert gases (ZVSHK leaflet "Leak-tightness tests for drinking water installations with compressed air, inert gas or water") The pressure test with compressed air or inert gases is carried out in accordance with the accepted rules of technology in two stages, the leak-tightness test and the load test. In both tests, it is necessary to wait for temperature equalisation and a steady state following application of the pressure before the test period commences. Apparatus, drinking water heaters,

fittings and pressure vessels must be separated from the pipes by air before the pressure test if their volume could affect the reliability and testing accuracy. All pipes must be sealed directly with metal stoppers, metal blanks or blind flanges that can withstand the pressure test. Closed isolation valves are not deemed to be tight seals.

► LEAK-TIGHTNESS TEST

Before the leak-tightness test, a visual inspection of all pipe connections must be carried out. The pressure gauge used for the test must have an appropriate accuracy for the pressures to be measured of 1 mbar on the display. A test pressure of 150 mbar (150 hPa) is applied to the system. With a

system volume of up to 100 litres, the test time is min. 120 minutes. The time required is extended by 20 minutes for every additional 100 litres. There must be no leaks from the connectors during the test.

► LOAD TEST

The leak-tightness test is followed by the load test. For this the pressure is increased to max. 3 bar (pipe dimensions ≤ 63 x 6 mm) or max. 1 bar (pipe dimensions ≥ 63 x 6 mm).

With a system volume of up to 100 litres, the test time is min. 10 minutes.

► LEAK-TIGHTNESS TEST REPORT

The leak-tightness test must be documented in a pressure test report by the specialist responsible, taking account of

the materials used. The leak-tightness of the system must be ensured and confirmed.



LEAK-TIGHTNESS TEST REPORT

FOR PIPETEC WATER / HEATING INSTALLATIONS. TESTING MEDIUM: COMPRESSED AIR / INERT GASES

NOTE: The accompanying explanations and descriptions in the latest technical documentation from Pipetec must be observed.

Building project: _____

Date: _____

Client represented by: _____

Responsible contractor: _____

Installation system used: ☐ Metal composite pipe system ☐ Other

System pressure: _____ bar

Ambient temperature: _____ °C

Temperature of test medium: _____ °C

Testing medium: ☐ Oil-free compressed air ☐ Nitrogen ☐ Carbon dioxide ☐ _____

Pipe volume: _____ litres

☐ The drinking water system was

☐ The heating system was ☐ as a complete system ☐ tested in _____ sections.

All pipes must be sealed with metal plugs, caps, metal blanks or blind flanges. Apparatus, pressure vessels and drinking water heaters must be separated from the pipes. A visual inspection of all pipe connectors and proper execution was carried out.

1) LEAK-TIGHTNESS TEST:

Test pressure: 150 mbar (150 hPa)

Test time: up to 100 litres pipe volume min. 120 minutes, +20 minutes for each additional 100 litres.

_____ litres _____ minutes. (output volume = test time)

The test time begins after temperature equalisation and steady state have been reached.

☐ No pressure decrease was identified during the test time.

2) LOAD TEST:

Test pressure: Pipetec installation pipe $d_a \leq 63$ mm max. 3 bar,

Pipetec installation pipe > 63 mm max. 1 bar

Test time: 10 minutes. The test time begins after temperature equalisation and steady state have been reached.

☐ No pressure decrease was identified during the test time.

THE PIPE SYSTEM IS LEAK-TIGHT.

Place, date

Signature of client

Place, date

Signature / stamp contractor



PRESSURE TEST AND LEAK-TIGHTNESS TEST OF PIPETEC DRINKING WATER INSTALLATIONS DIN EN 806 / ZVSHK

► PRESSURE TEST WITH WATER

Pressure test with water (DIN EN 806-4 or ZVSHK leaflet "Leak-tightness tests for drinking water installations with

compressed air, inert gas or water")

► PREPARATION FOR LEAK-TIGHTNESS TEST

In general, a visual inspection of all pipe connections must be carried out before the leak-tightness test with water. The pressure gauge must be connected to the lowest point of the installation to be tested. Only pressure gauges on which a pressure difference of 0.1 bar can be read reliably on the display may be used. The installation must be filled with filtered drinking water (particle size $\leq 150 \mu\text{m}$), bled and protected from freezing. Shut-off valves before and after heat generators and stores must be closed, so that

the test pressure does not reach the rest of the system. If there are significant differences between the ambient temperature and the water temperature ($>10 \text{ K}$), it is necessary to wait 30 minutes after application of the system test pressure to equalise the temperature. The pressure must be maintained for at least 10 minutes. There must be no pressure loss or visible indication of a leak.

► TEST OF PRESS CONNECTIONS (NOT LEAK-TIGHT IF NOT PRESS FITTED)

For an unpressed leaking connection to be identified in a leak-tightness test, Pipetec pipe systems must be tested with a pressure of 3 bar before the actual leak-tightness test is carried out. The test time should be 15 minutes.

No leak must be apparent in this time. Only then can the leak-tightness test begin with the specified test times.

► COMPLETION OF LEAK-TIGHTNESS TEST

First the test pressure must be applied to the pipe system which is 1.1 times the operating pressure (in relation to the lowest point in the system). The operating pressure as per DIN EN 806-2 is 10 bar (1 MPa). Accordingly, a test pressure of 11 bar (1.1 MPa) is required. An inspection of the tested pipe section should then be carried out to identify any leaks. After a test time of 30 minutes, the pressure must be reduced to 5.5 bar (0.55 MPa) by draining off water, which corresponds to 0.5 times the initial test pressure. The test

time at this pressure is 120 minutes. During this test time, no leaks must be apparent. The test pressure on the pressure gauge must remain constant ($D_p = 0$). If a pressure drop occurs during the test time, there is a leak in the system. The pressure must be maintained and the leak identified. The defect must be rectified and then the leak-tightness test repeated.

► PRESSURE TEST REPORT

The leak-tightness test must be documented in a pressure test report by the specialist responsible, taking account of the materials used. The leak-tightness of the system must be ensured and confirmed.

**When using Pipetec "not leak-tight if not press-fitted" press connectors, a leak-tightness test of the connectors must be carried out in advance (3 bar, 15 minutes).*



LEAK-TIGHTNESS TEST REPORT

FOR PIPETEC DRINKING WATER INSTALLATIONS. TESTING MEDIUM: WATER

NOTE: The accompanying explanations and descriptions in the latest technical documentation from Pipetec must be observed.

Building project:

Building section:

Date:

Client represented by:

Responsible contractor:

Installation system used:

☐

Metal composite pipe system

☐

Other

All vessels, devices and fittings, e.g. safety valves and expansion tanks, that are not suitable for the test pressure must be disconnected from the system being tested during the pressure test. The system is filled with filtered water and completely bled. A visual inspection of the pipe connectors and the locking elements on the modular fitting system has been carried out during the test. The temperature equalisation between the ambient temperature and the filling water temperature must be taken into account with an appropriate waiting period after the test pressure has been applied. The test pressure may have to be restored after the waiting time.

1) LEAK-TIGHTNESS TEST OF PRESS CONNECTORS:

(when using Pipetec System "not leak-tight if not press-fitted" press connectors)

Test pressure: 3 bar

Test time: 15 minutes

☐

The pipe system is leak-tight (visual inspection).

2) LEAK-TIGHTNESS TEST, PART I:

Test pressure: 11 bar (1.1 MPa), corresponds to 1.1 times the operating pressure as per DIN EN 806-4

Test time: 30 minutes

☐

The pipe system is leak-tight (visual inspection, no pressure drop on pressure gauge).

3) LEAK-TIGHTNESS TEST, PART II:

Test pressure: 5.5 bar (0.55 MPa), corresponds to 0.5 times the initial test pressure in leak-tightness test, part I

Test time: 120 minutes

☐

The test pressure on the pressure gauge must remain constant during the test time ($D_p = 0$).

☐

The pipe system is leak-tight.

Confirmation of the system leak-tightness

Place, date

Signature of client

Place, date

Signature / stamp contractor



FLUSHING OF PIPETEC DRINKING WATER INSTALLATIONS

For reasons of hygiene, flushing should take place only immediately before actual commissioning. The national guidelines must be observed for the flushing process. Filtered drinking water should be used as the flushing liquid (filtered as per DIN EN 13443-1). In order to ensure unrestricted operational reliability, dirt and assembly residues must be

removed from the inner surfaces of the pipes and system components, the drinking water quality ensured and corrosion damage and functional faults in fittings and equipment avoided by flushing. In principle, two flushing methods can be applied:

► FLUSHING PROCESS WITH WATER/AIR MIXTURE AS PER DIN EN 806-4

The process is based on a pulsating flow of water and air and is described in more detail in the technical regulations for drinking water installation DIN EN 806-4. Suitable flushing devices must be used for this. The flushing process

should be used when flushing with water is not expected to have an adequate flushing effect.

► FLUSHING PROCESS WITH WATER

Unless an alternative flushing process is agreed by contract or is required, Pipetec drinking water pipes are flushed using the water flushing process with the local supply pressure, as per DIN EN 806-4. The process for pipe flushing corresponds to the details in the ZVSHK leaflet "Leak-tightness tests for drinking water installations with compressed air, inert gas or water". This leaflet can be obtained from

the Zentralverband Sanitär Heizung Klima, Rathausstrasse 6, 53757 St. Augustin and applies to drinking water installations in accordance with DIN 1988 and DIN EN 806. Please see the leaflet for more details about the flushing process with water. The drinking water used for flushing must be filtered (filter as per DIN EN 13443-1).

► OTHER INFORMATION ABOUT THE FLUSHING PROCESS

Depending on the system size and pipe routing, flushing should take place in sections. The direction of flushing should move from the main shut-off valve section-by-section and line-by-line (current flushing section) from the closest to the furthest line. Flushing takes place floor-by-floor starting from the end of the riser.

- For each floor and individual supply pipe, the tapping points are fully opened in succession floor-by-floor (for minimum number, see flushing report) for at least 5 minutes.
- On each floor, the tapping points are opened fully, starting with the tapping point furthest away from the riser.
- In order to protect sensitive fittings (e.g. solenoid valves, pressure flushers, thermostatic fittings) and equipment (e.g. drinking water heaters) from damage caused by flushed foreign material, these components should be fitted only after flushing and adapters should be used beforehand.

- Fine strainers in front of fittings that cannot be dismantled or bypassed must be cleaned after flushing,
- Aerators, jet controls, flow restrictors, shower heads and handheld showers must be disassembled during flushing with any fittings already installed.
- For flush-mounted thermostatic fittings and other sensitive fittings that cannot be disassembled during flushing, the installation instructions of the manufacturer must be followed.
- All maintenance fittings, floor shut-off valves and isolation valves (e.g. corner valves) must be fully opened.
- Pressure reducers must be fully opened and re-adjusted after flushing.
- After a flushing period of 5 minutes at the flushing point opened last, the tapping points can be closed in reverse order.

► FLUSHING REPORT

The flushing process must be documented by the specialist responsible.



FLUSHING REPORT

FOR PIPETEC DRINKING WATER INSTALLATIONS. FLUSHING MEDIUM: WATER

Building project: _____

Date: _____

Client represented by: _____

Responsible contractor: _____

Installation system used: ☐ Metal composite pipe system ☐ Other

Table: Guide value for the minimum number of tapping points to be opened in relation to the largest nominal width of the distribution pipe.

Largest external diameter d_a [mm] of the distribution pipe in the current flushing section	32	40	50	63	75	90	110
Minimum number of tapping points to be opened $d = 15$ mm	2	4	6	8	12	18	28

On each floor, the tapping points are opened fully, starting with the tapping point furthest away from the riser.

After a flushing period of 5 minutes at the flushing point opened last, the tapping points can be closed in succession.

The drinking water used for flushing is filtered, resting pressure $p_w =$ _____ bar

Maintenance fittings (floor shut-off valves, isolating valves) must be fully open.

Sensitive fittings and devices are disconnected and replaced with adapters or bypassed with flexible pipes.

Aerators, perlators, flow restrictors were disconnected.

Integrated dirt strainers and dirt traps in front of taps were cleaned after water flushing.

Flushing was carried out starting with the main shut-off tap in sections in succession up to the tapping point furthest way.

Flushing of the drinking water system has been carried out properly.

Place, date

Signature of client

Place, date

Signature / stamp contractor



CERT

DVGW-Baumusterprüfzertifikat DVGW type examination certificate

DW-8501BS5049

Registriernummer
registration number

Anwendungsbereich <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
Zertifikatinhaber <i>owner of certificate</i>	PIPE ^{TEC} GmbH Hinter Stöck 6, D-72406 Bisingen
Vertreiber <i>distributor</i>	PIPE ^{TEC} GmbH Hinter Stöck 6, D-72406 Bisingen
Produktart <i>product category</i>	Installationssysteme und Systemverbinder (PN 10): Trinkwasserinstallationssystem (8501)
Produktbezeichnung <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Verbundrohren (PE-RT/Al/PE-RT) und Pressverbindern aus Metall (Typ M-MV, DN 16 - 63 mm) und Kunststoff (Typ M-KV, DN 16 - 32 mm); unverpresst undicht (DN 16 - 32 mm)
Modell <i>model</i>	Pipetec Connect
Prüfberichte <i>test reports</i>	Kontrollprüfung Labor: V046/22.2 vom 27.04.2022 (IMA) Baumusterprüfung: V127/20.2 vom 02.02.2021 (IMA) Baumusterprüfung: V127/20.1 vom 25.08.2020 (IMA) Baumusterprüfung: V157/18 vom 15.01.2019 (IMA) Baumusterprüfung: B031/13.2 vom 02.04.2015 (IMA)
Prüfgrundlagen <i>test basis</i>	DVGW W 534-(P) (01.07.2015) DVGW CERT ZP 8500 (01.01.2017) UBA BWGL-Metalle (14.05.2020) UBA Übergangsregelung KTW-BWGL (10.07.2020) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	21.09.2027 / 22-0488-WNV

04.08.2022 LE A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body



Deutsche
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D-ZE-16028-01-05

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CERT

DVGW-Baumusterprüfzertifikat

DVGW type examination certificate

DW-8501CP0053

 Registriernummer
 registration number

Anwendungsbereich <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
Zertifikatinhaber <i>owner of certificate</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Vertreiber <i>distributor</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Produktart <i>product category</i>	Installationssysteme und Systemverbinder (PN 10): Trinkwasserinstallationssystem (8501)
Produktbezeichnung <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Klemmverbindern aus Metall (Typ: M-MV) und Verbundrohren PE-RT/Al/PE-RT
Modell <i>model</i>	Pipetec Connect
Prüfberichte <i>test reports</i>	Kontrollprüfung Labor: V030/23-1 vom 25.04.2023 (IMA) Baumusterprüfung: B305/13.2 vom 28.02.2014 (IMA)
Prüfgrundlagen <i>test basis</i>	DVGW W 534-(P) (01.07.2015) DVGW CERT ZP 8500 (23.05.2022) UBA BWGL-Metalle: Grundwerkstoffe (11.01.2023) UBA ELASTOM (16.03.2016) UBA KTW-BWGL (07.03.2022) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	28.02.2029 / 23-0753-WNV

10.11.2023 LE A-1/2

 Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
 date, issued by, sheet, head of certification body

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DVGW-Baumusterprüfzertifikat DVGW type examination certificate

DW-8501DL0064

Registriernummer
registration number

Anwendungsbereich <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
Zertifikatinhaber <i>owner of certificate</i>	PIPE ^{TEC} GmbH Hinter Stöck 6, D-72406 Bisingen
Vertreiber <i>distributor</i>	PIPE ^{TEC} GmbH Hinter Stöck 6, D-72406 Bisingen
Produktart <i>product category</i>	Installationssysteme und Systemverbinder (PN 10): Trinkwasserinstallationssystem (8501)
Produktbezeichnung <i>product description</i>	Trinkwasserinstallationssystem bestehend aus Steckverbindern aus Metall (M-MV) und Verbundrohren (PE-RT/Al/PE-RT)
Modell <i>model</i>	Pipetec Connect
Prüfberichte <i>test reports</i>	Kontrollprüfung Labor: V030/24-3 vom 06.05.2024 (IMA) Ergänzungsprüfung: V186/22 vom 06.12.2022 (IMA) Baumusterprüfung: V195/19 vom 03.03.2020 (IMA) UBA-Leitlinie/BWGL: KA 0372/19 vom 14.01.2020 (TZW) Mikrobiologische Prüfung: MO 249/19 vom 14.01.2020 (TZW)
Prüfgrundlagen <i>test basis</i>	DVGW W 534-(P) (01.07.2015) DVGW CERT ZP 1000 (03.09.2024) UBA BWGL-Metalle: Grundwerkstoffe (10.06.2024) UBA ELASTOM (16.03.2016) UBA KTW-BWGL (23.08.2024) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	03.03.2030 / 25-0086-WNV

70028-04-A-DE

07.02.2025 Le A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body

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DVGW-Konformitätsbestätigung Hygiene

DVGW certificate of conformity hygiene

HW-1011DM0175

 Registriernummer
 registration number

Konformitätsbestätigung <i>confirmation of conformity</i>	System 1+ mit Fremdüberwachung <i>system 1+ with audit testing</i>
Zertifikatinhaber <i>owner of certificate</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Hersteller <i>manufacturer</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Produktart <i>product category</i>	Hygienische Eignung nach System 1+: Zusammengesetztes Produkt, Produktgruppe P1 (1011)
Produktbezeichnung <i>product description</i>	Rohrverbinder aus Messing für Verbundrohre
Werkstoff/Modell <i>material/model</i>	Pipetec Connect Rohrverbinder (Typ M-MV)
Prüfberichte <i>test reports</i>	Zertifizierungsbericht: vom 02.02.2023 (ZGW)
Prüfgrundlagen <i>test basis</i>	DVGW CERT ZP 1000 (17.06.2020) UBA BWGL-Metalle (14.05.2020) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)

Ablaufdatum / AZ 02.02.2028 / 20-0945-WHE
date of expiry / file no.

Hiermit wird bestätigt, dass das o.g. Produkt/Bauteil auf der Grundlage des Zertifizierungsprogrammes DVGW CERT ZP 1000 der zur Verfügung gestellten Produktinformationen, einschließlich der Rezepturangaben und des o.g. Bewertungsberichts die Anforderungen der unter Prüfgrundlagen genannten Bewertungsgrundlage/Leitlinie des Umweltbundesamtes für den rückseitig genannten Temperaturbereich erfüllt und dieser entspricht.

31.05.2023 Br A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body



Deutsche
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 D-ZE-16028-01-02

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DVGW-Konformitätsbestätigung Hygiene

DVGW certificate of conformity hygiene

HW-1011DM0176

Registriernummer
registration number

Konformitätsbestätigung <i>confirmation of conformity</i>	System 1+ mit Fremdüberwachung <i>system 1+ with audit testing</i>
Zertifikatinhaber <i>owner of certificate</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Hersteller <i>manufacturer</i>	PIPETEC GmbH Hinter Stöck 6, D-72406 Bisingen
Produktart <i>product category</i>	Hygienische Eignung nach System 1+: Zusammengesetztes Produkt, Produktgruppe P1 (1011)
Produktbezeichnung <i>product description</i>	Rohrverbinder aus Kunststoff (PPSU) für Verbundrohre
Werkstoff/Modell <i>material/model</i>	Pipetec Connect Rohrverbinder (Typ M-KV)
Prüfberichte <i>test reports</i>	Zertifizierungsbericht: vom 02.02.2023 (ZGW)
Prüfgrundlagen <i>test basis</i>	DVGW CERT ZP 1000 (17.06.2020) UBA KTW-BWGL (09.03.2021) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)

Ablaufdatum / AZ
date of expiry / file no. 02.02.2028 / 20-0945-WHE

Hiermit wird bestätigt, dass das o.g. Produkt/Bauteil auf der Grundlage des Zertifizierungsprogrammes DVGW CERT ZP 1000 der zur Verfügung gestellten Produktinformationen, einschließlich der Rezepturangaben und des o.g. Bewertungsberichts die Anforderungen der unter Prüfgrundlagen genannten Bewertungsgrundlage/Leitlinie des Umweltbundesamtes für den rückseitig genannten Temperaturbereich erfüllt und dieser entspricht.

31.05.2023 Br A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body

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CERTIFICATE

Technical approval-with-product certificate K98456/03



Issued 2020-04-20

Replaces K98456/02

Page 1 of 4

PIPETEC Press System

STATEMENT BY KIWA

With this technical approval-with-product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

PIPETEC GmbH

as specified in this (technical-approval-with-)product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K536 G "Plastics piping systems of PE-RT/Al intended for transport of hot and cold drinking water" dated 15-12-2011, inclusive amendment sheet dated 13-03-2018.

Within the framework of this technical approval-with-product certificate Kiwa does not impose any inspections with regard to the production of other parts of the PIPETEC Press System nor the manufacturing of the PIPETEC Press System itself.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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**Certification process
consists of initial and
regular assessment of:**

- quality system
- product



Amt der Salzburger Landesregierung
Altstadterhaltung und Hochbautechnik
5020 Salzburg, Michael-Pacher-Straße 36



**LAND
SALZBURG**

Zahl: 20604-ÜA/20/1/10-2025

REGISTRIERUNGSBESCHEINIGUNG

Nr.: R-15.2.1-21-17136 (2. Verlängerung)

Hiermit wird gemäß § 6 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idGF, bestätigt, dass
die Bauprodukte

Rohre und Formstücke aus organischen Werkstoffen
Formstücke
(lt. Anhang Produktkennwerte)

des Herstellers

Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6

des Herstellwerkes

Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6

den Bestimmungen der in der Baustoffliste ÖA (Neufassung 2015), idF der 2. Novelle zu dieser Baustoffliste
festgelegten Regelwerke

ÖNORM B 5014-1 (Ausgabe 2016.08.15);
zusätzlich gilt Anlage A, Pkt. 15.2.1

entsprechen.

Die Produkte unterliegen einer werkseigenen Produktionskontrolle und einer Fremdüberwachung durch
OFI Technologie & Innovation GmbH, A-1030 Wien, Franz-Grill-Straße 5, Objekt 213

Nummer des Überwachungsvertrages: P-02-02-02-01

Gemäß der nach § 5 Abs. 3 Pkt. 3 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idGF, zu erfol-
genden Festlegung der Geltungsdauer gilt die Registrierungsbescheinigung bis

31. Juli 2028

Die oben angeführten Bauprodukte sind gemäß § 3 Abs 2 des Salzburger Bauproduktgesetzes, LGBl. Nr.
75/2014 idGF, verwendbar und der Hersteller ist somit berechtigt, die Bauprodukte mit dem Einbauzei-
chen entsprechend § 7 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idGF zu kennzeichnen.
Die Registrierungsbescheinigung wird von den Vertragsparteien anerkannt.

Die wesentlichen Produktkennwerte sind im Anhang zu dieser Registrierungsbescheinigung dargestellt.
Die Registrierungsbescheinigung umfasst inklusive Anhang 3 Seiten.

Zeichnungsberechtigte
Dipl.-Ing.(FH) Andrea Barth, M.A. MEng

Amtssigniert. Informationen zur Prüfung der elektronischen Signatur oder des elektronischen Siegels finden Sie unter www.salzburg.gv.at/amtssignatur



Salzburg, am 17.07.2025

Gebühr € 14,30 entrichtet



Amt der Salzburger Landesregierung
 Altstadterhaltung und Hochbautechnik
 5020 Salzburg, Michael-Pacher-Straße 36



**LAND
SALZBURG**

Zahl: 20604-ÜA/22/3/12-2025

REGISTRIERUNGSBESCHEINIGUNG

Nr.: R-15.2.3-21-17135 (2. Verlängerung)

Hiermit wird gemäß § 6 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF, bestätigt, dass
 die Bauprodukte

Rohre und Formstücke aus metallischen Werkstoffen
Formstücke aus Messing
(lt. Anhang Produktkennwerte)

des Herstellers

Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6

des Herstellwerkes

Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6

den Bestimmungen der in der Baustoffliste ÖA (Neufassung 2015), idF der 2. Novelle zu dieser Baustoffliste
 festgelegten Regelwerke

ÖNORM B 5014-3 (Ausgabe 2017.05.01);
zusätzlich gilt Anlage A, Pkt. 15.2.3

entsprechen.

Die Produkte unterliegen einer werkseigenen Produktionskontrolle und einer Fremdüberwachung durch
 OFI Technologie & Innovation GmbH, A-1030 Wien, Franz-Grill-Straße 5, Objekt 213

Nummer des Überwachungsvertrages: P-02-01-01-03

Gemäß der nach § 5 Abs. 3 Pkt. 3 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF, zu erfol-
 genden Festlegung der Geltungsdauer gilt die Registrierungsbescheinigung bis

31. Juli 2028

Die oben angeführten Bauprodukte sind gemäß § 3 Abs 2 des Salzburger Bauproduktgesetzes, LGBl. Nr.
 75/2014 idgF, verwendbar und der Hersteller ist somit berechtigt, die Bauprodukte mit dem Einbauzei-
 chen entsprechend § 7 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF zu kennzeichnen.
 Die Registrierungsbescheinigung wird von den Vertragsparteien anerkannt.

Die wesentlichen Produktkennwerte sind im Anhang zu dieser Registrierungsbescheinigung dargestellt.
 Die Registrierungsbescheinigung umfasst inklusive Anhang 10 Seiten.



Zeichnungsberechtigte
 Dipl.-Ing.(FH) Andrea Barth, M.A. MEng
 Amtssigniert. Informationen zur Prüfung der elektronischen Signatur oder des elektronischen Siegels finden Sie unter www.salzburg.gv.at/amtssignatur

Salzburg, am 22.07.2025

Gebühr € 14,30 entrichtet



Amt der Salzburger Landesregierung
Altstadterhaltung und Hochbautechnik
5020 Salzburg, Michael-Pacher-Straße 36



Zahl: 20604-ÜA/22/19/2-2025

REGISTRIERUNGSBESCHEINIGUNG

Nr.: R-15.2.3-25-18585

Hiermit wird gemäß § 6 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF, bestätigt, dass
die Bauprodukte

**Rohre und Formstücke aus metallischen Werkstoffen
Formstücke aus Messing bleifrei
(lt. Anhang Produktkennwerte)**

des Herstellers

**Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6**

des Herstellwerkes

**Pipetec GmbH
D-72406 Bisingen, Hinter Stöck 6**

den Bestimmungen der in der Baustoffliste ÖA (Neufassung 2015), idF der 2. Novelle zu dieser Baustoffliste
festgelegten Regelwerke

**ÖNORM B 5014-3 (Ausgabe 2017.05.01);
zusätzlich gilt Anlage A, Pkt. 15.2.3**

entsprechen.

Die Produkte unterliegen einer werkseigenen Produktionskontrolle und einer Fremdüberwachung durch

OFI Technologie & Innovation GmbH, A-1030 Wien, Franz-Grill-Straße 5, Objekt 213

Nummer des Überwachungsvertrages: P-02-01-01-03

Gemäß der nach § 5 Abs. 3 Pkt. 3 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF, zu erfol-
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31. August 2028

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chen entsprechend § 7 des Salzburger Bauproduktgesetzes, LGBl. Nr. 75/2014 idgF zu kennzeichnen.
Die Registrierungsbescheinigung wird von den Vertragsparteien anerkannt.

Die wesentlichen Produktkennwerte sind im Anhang zu dieser Registrierungsbescheinigung dargestellt.
Die Registrierungsbescheinigung umfasst inklusive Anhang 5 Seiten.

Zeichnungsberechtigte
Dipl.-Ing. (FH) Andrea Barth, M.A. MEng

Amtssigniert. Informationen zur Prüfung der elektronischen Signatur oder des elektronischen Siegels finden Sie unter
www.salzburg.gv.at/amtssignatur



Salzburg, am 07.08.2025

Gebühr € 14,30 entrichtet



ZERTIFIKAT

Nr.: N 002299

Die Austrian Standards plus GmbH (akkreditierte Zertifizierungsstelle gemäß ISO/IEC 17065) stellt dieses Zertifikat aus.

Zertifikatsinhaber: Pipetec GmbH
Hinter Stöck 6, 72406 Bisingen, Deutschland

Produktionsstätte: Pipetec GmbH Hinter Stöck 6, 72406 Bisingen, Deutschland

Bezugsdokument(e): ÖNORM EN ISO 21003-3:2022-05-15
Mehrschichtverbund-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation innerhalb von Gebäuden - Teil 3: Formstücke (ISO 21003-3:2008 + Amd 1:2021) (konsolidierte Fassung)

Dieses Zertifikat bestätigt die Konformität des angeführten Produktes mit den Anforderungen des Bezugsdokumentes.

Produkt: Formstücke für die Warm- und Kaltwasserinstallation
Pressverbinder aus Messing, für die Anwendungsklasse 1, 2, 4 und 5 bei max. zulässigem Betriebsdruck $p_D = 10$ bar, in den Dimensionen: DN 16, 20, 26, 32, 40, 50 und 63 (Die Trinkwassereignung nach der ÖNORM B 5014-Serie ist von diesem Zertifikat nicht erfasst.)

Konformitätszeichen: Dieses Zertifikat berechtigt zur Führung des Konformitätszeichens:

Ausstellungsdatum: 2026-07-24
Erstausstellungsdatum: 2026-07-24

DocuSigned by:

315850BBF2D54A0...

Dr. Peter Jonas
Director Certification

Austrian Standards plus GmbH, Heinestrasse 38, A-1020 Wien, www.austrian-standards.at
Die Austrian Standards plus GmbH ist ein 100% Tochterunternehmen von Austrian Standards International.



ZERTIFIKAT

Nr.: N 002300

Die Austrian Standards plus GmbH (akkreditierte Zertifizierungsstelle gemäß ISO/IEC 17065) stellt dieses Zertifikat aus.

Zertifikatsinhaber: Pipetec GmbH
Hinter Stöck 6, 72406 Bisingen, Deutschland

Produktionsstätte: Pipetec GmbH Hinter Stöck 6, 72406 Bisingen, Deutschland

Bezugsdokument(e): ÖNORM EN ISO 21003-3:2022-05-15
Mehrschichtverbund-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation innerhalb von Gebäuden - Teil 3: Formstücke (ISO 21003-3:2008 + Amd 1:2021) (konsolidierte Fassung)

Dieses Zertifikat bestätigt die Konformität des angeführten Produktes mit den Anforderungen des Bezugsdokumentes.

Produkt: Formstücke für die Warm- und Kaltwasserinstallation
Pressverbinder aus PPSU, für die Anwendungsklasse 1, 2, 4 und 5 bei max. zulässigem Betriebsdruck $p_D = 10$ bar, in den Dimensionen: DN 16, 20, 26 und 32 (Die Trinkwassereignung nach der ÖNORM B 5014-Serie ist von diesem Zertifikat nicht erfasst.)

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Ausstellungsdatum: 2026-07-24
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Dr. Peter Jonas
Director Certification

Austrian Standards plus GmbH, Heinestrasse 38, A-1020 Wien, www.austrian-standards.at
Die Austrian Standards plus GmbH ist ein 100% Tochterunternehmen von Austrian Standards International.

10 YEARS – EXTENDED WARRANTY FOR PIPETEC PIPE SYSTEM

We hereby confirm the extensions to our warranty for our PIPETEC Connect pipe system, consisting of our PIPETEC pipelines and our PIPETEC fittings.

We confirm that we will provide replacements for a period of 10 years from the date of purchase for the following products and damage:

- The extended warranty covers all system components of the PIPETEC Connect pipe system, such as pipes, pipe connections and connecting pieces, provided that they were supplied by us.
- Laying and installation errors are explicitly excluded from the warranty. Our technical manual and our installation instructions in the manual are definitive in this regard. In order to qualify for the extended warranty, the installation must be carried out only with the system components and tools specified by us. Pressure tests must be carried out correctly.
- The extended warranty covers damage that can be traced back demonstrably to production or material faults, insofar as PIPETEC was responsible for them. Furthermore, the warranty covers damage caused by production errors in items from third parties.

- The extended warranty also covers third-party expenses incurred as a result of rectification, dismantling, inspection or exposure of defective products and installation and laying of defect-free products to be supplied by us.

The cover is provided through extended product liability insurance with the following cover amounts:

- EUR 3,000,000.00 flat rate for personal injury, material damage and damage to products
- EUR 1,000,000.00 flat rate for financial losses

Bisingen, October 2022



Frank Mauersberger

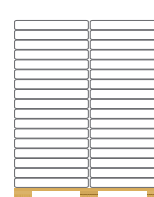
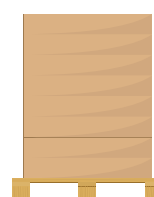
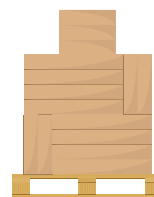
Managing Director PIPETEC GmbH





PIPES IN COILS (VR, VRI, HR)

DIMENSIONS (MM)	ITEM NO.	WEIGHT ROLL	ROLLS PER PALLET	BOX SIZE (MM)	ROLL SIZE ED/ID/WIDTH (MM)	SIZE SPACE (CM)	PALLET TYPE
12 x 2.0	HR1220200	12.4 kg	17	790 x 150 x 780	780 x 600 x 150	80 x 120 x 225	Disposable
14 x 2.0	HR1420200	15.0 kg	17	790 x 150 x 780	780 x 500 x 150	80 x 120 x 225	Disposable
16 x 2.0	HR1620200	17.4 kg	17	790 x 150 x 780	780 x 415 x 150	80 x 120 x 225	Disposable
32 x 3.0	VR3230025	8.75 kg	17	790 x 150 x 780	780 x 600 x 150	80 x 120 x 225	Disposable
16 x 2.0	VR1620200HZ	20.0 kg	17	790 x 150 x 780	780 x 415 x 150	80 x 120 x 225	Disposable
16 x 2.0	VR1620100HZ	10.0 kg	17	790 x 150 x 780	780 x 600 x 150	80 x 120 x 225	Disposable
16 x 2.0	VR1620200	21.0 kg	17	790 x 150 x 780	780 x 415 x 150	80 x 120 x 225	Disposable
16 x 2.0	VR1620100	10.5 kg	17	790 x 150 x 780	780 x 600 x 150	80 x 120 x 225	Disposable
20 x 2.0	VR2020100	14.0 kg	17	790 x 150 x 780	780 x 490 x 150	80 x 120 x 225	Disposable
26 x 3.0	VR2630025	6.50 kg	17	790 x 150 x 780	780 x 640 x 150	80 x 120 x 225	Disposable
32 x 3.0	VR3230010	3.50 kg	17	790 x 120 x 780	780 x 650 x 120	80 x 80 x 225	Disposable
17 x 2.0	HR1720200	18.8 kg	8	790 x 190 x 780	780 x 480 x 190	80 x 80 x 167	Disposable
26 x 3.0	VR2630050	13.0 kg	10	790 x 190 x 780	780 x 590 x 190	80 x 80 x 215	Disposable
14 x 2.0	HR1420500	37.5 kg	8	790 x 310 x 780	780 x 460 x 310	80 x 120 x 210	Disposable
32 x 3.0	VR3230050	17.5 kg	8	790 x 310 x 780	780 x 600 x 310	80 x 120 x 210	Disposable
16 x 2.0	HR1620500	43.5 kg	4	790 x 510 x 780	780 x 560 x 500	80 x 80 x 225	Disposable
17 x 2.0	HR1720500	47.0 kg	4	790 x 510 x 780	780 x 510 x 500	80 x 80 x 225	Disposable
16 x 2.0	VR1620500HZ	50.0 kg	4	790 x 510 x 780	780 x 560 x 500	80 x 80 x 225	Disposable
16 x 2.0	VR1620500	52.5 kg	4	790 x 510 x 780	780 x 560 x 500	80 x 80 x 225	Disposable
16 x 2.0	VR1620050	5.25 kg	68	Film	590 x 400 x 120	120 x 120 x 220	Disposable



Individual rolls in film, 1 label per roll on film and 4 labels on pallet (on each side)





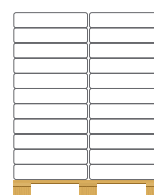
DIMENSIONS (MM)	ITEM NO.	WEIGHT ROLL	ROLLS PER PALLET	BOX SIZE (MM)	ROLL SIZE ED/ID/WIDTH (MM)	SIZE SPACE (CM)	PALLET TYPE
16 x 2.0	VR1620010	1.05 kg	180	1,180 x 980 x 920	390 x 290 x 70	100 x 120 x 230	Disposable
16 x 2.0	VR1620025	2.63 kg	72	1,180 x 980 x 920	390 x 290 x 140	100 x 120 x 230	Disposable
20 x 2.0	VR2020010	1.40 kg	72	1,180 x 980 x 920	390 x 290 x 140	100 x 120 x 230	Disposable
20 x 2.0	VR2020025	3.50 kg	88	1,180 x 980 x 920	490 x 290 x 90	100 x 120 x 230	Disposable
26 x 3.0	VR2630010	2.60 kg	60	600 x 600 x 600	495 x 400 x 105	120 x 120 x 196	Disposable



i Individual rolls in film, 1 label per roll on film and 4 labels on pallet (on each side)

20 x 2.0	VR2020050	7.0 kg	44	Film	590 x 450 x 190	120 x 120 x 225	Disposable
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i Individual rolls in film, 1 label per roll on film and 4 labels on pallet (on each side)



20 x 2,0	HR2020500	56,0 kg	5	PE-Sack	1.050 x 500 x 310	100 x 120 x 176	Disposable
16 x 2,0	VR1622025R	5,00 kg	7		790 x 290 x 775	760 x 450 x 290	Disposable
20 x 2,0	VR12022025R	6,25 kg	6		780 x 320 x 765	770 x 430 x 315	Disposable
26 x 3,0	VR12632015R	5,85 kg	6		780 x 320 x 765	760 x 320 x 320	Disposable



16 x 2.0	VR1620650B	6.70 kg	17		790 x 150 x 780	800 x 580 x 170	80 x 120 x 225	Disposable
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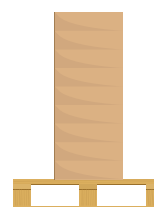
26 x 2.0	VR12631025R	7.80 kg	9		790 x 310 x 780	800 x 600 x 315	80 x 120 x 240	Disposable
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20 x 2.0	VR12020650B	8.70 kg	15		790 x 190 x 780	800 x 460 x 190	80 x 120 x 235	Disposable
16 x 2.0	VR1621050R	7.40 kg	15		790 x 190 x 780	800 x 440 x 195	80 x 120 x 235	Disposable
26 x 2.0	VR12630625B	7.50 kg	15		790 x 190 x 780	800 x 570 x 190	80 x 120 x 235	Disposable



20 x 2.0	VR12021050R	9.40 kg	9		800 x 230 x 800	800 x 380 x 195	80 x 80 x 225	Disposable
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PIPES IN RODS (VS)

DIMENSIONS (MM)	ITEM NO.	WEIGHT LENGTH / HONEYCOMB	LENGTH HONEYCOMB	HONEYCOMBS PALLET	PALLET SIZE (CM)
16 x 2.0	VS165	0.53 kg / 15.0 kg	24	63	80 x 500 x 75
20 x 2.0	VS205	0.70 kg / 19.0 kg	24	36	80 x 500 x 72
26 x 3.0	VS265	1.30 kg / 15.0 kg	10	63	80 x 500 x 75
32 x 3.0	VS325	1.75 kg / 20.0 kg	10	36	80 x 500 x 72
40 x 3.5	VS405	2.50 kg / 27.0 kg	10	25	80 x 500 x 68
50 x 4.0	VS505	3.70 kg / 28.0 kg	7	20	80 x 500 x 60
63 x 4.5	VS635	5.50 kg / 19.0 kg	3	20	80 x 500 x 60



10 x 9 cm



14 x 12 cm



10 x 9 cm



14 x 12 cm



16 x 14 cm



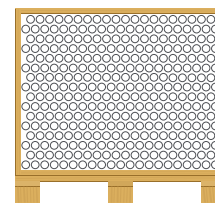
16 x 15 cm



16 x 15 cm



DIMENSIONS (MM)	ITEM NO.	WEIGHT LENGTH	LENGTHS / BOX	PALLET SIZE (CM)	PALLET TYPE
16 x 2.0	VS162	0.21 kg	1,800 / 1	2,080 x 800 x 910	Disposable
20 x 2.0	VS202	0.28 kg	1,374 / 1	2,080 x 800 x 910	Disposable
26 x 3.0	VS262	0.52 kg	791 / 1	2,080 x 800 x 910	Disposable
32 x 3.0	VS322	0.70 kg	513 / 1	2,080 x 800 x 910	Disposable
40 x 3.5	VS402	1.00 kg	330 / 1	2,080 x 800 x 910	Disposable



If shipping unit is carton: dimensions of the carton box: 140 x 140 x 2020 mm

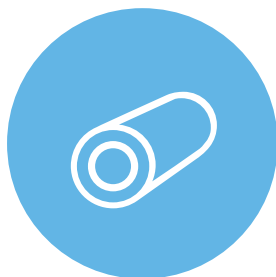




PACKAGING UNIT



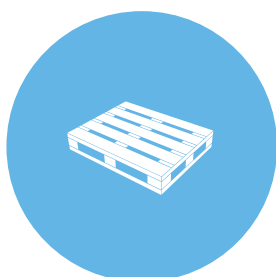
PACKAGING UNIT
**NUMBER OF FITTINGS / 2 M ROD
PER BOX**



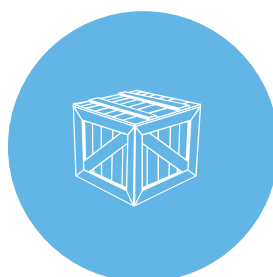
PACKAGING UNIT
**PIPE LENGTHS PER
TRANSPORT CASE**



PACKAGING UNIT
**NUMBER OF FITTINGS
PER BAG**



PACKAGING UNIT
**PIPES PER
PALLET**



PACKAGING UNIT
**PIPE RODS PER
WOODEN BOX**

GENERAL TERMS AND CONDITIONS OF SALE / DELIVERY**1. General Provisions**

- 1.1 These General Terms and Conditions of Sale/Delivery (GTCSO) apply to all business relations between PIPETEC GmbH (hereinafter: PIPETEC) and the Customer if the latter is an entrepreneur (Sec. 14 German Civil Code – BGB), a legal entity under public law or a special fund under public law – in particular, these GTCSO apply to contracts for the sale and/or delivery of movable goods, irrespective of whether PIPETEC manufactures them directly or purchases them from suppliers.
- 1.2 These GTCSO apply exclusively; divergent, conflicting or supplementary general terms and conditions of the Customer only become part of the contract insofar as PIPETEC expressly consents to their validity. Said need for consent also applies if the Customer makes reference to their terms and conditions when placing the order and PIPETEC does not expressly object to them.
- 1.3 Unless otherwise agreed, these GTCSO apply in the version valid at the time the Customer places an order, and, in any case, in the version communicated to them last in text form as a general agreement that also applies to similar future contracts, without PIPETEC having to refer to them again in each individual case.
- 1.4 Individual agreements such as information provided in order confirmations take precedence over these GTCSO. In case of doubt, commercial clauses are to be interpreted in accordance with the Incoterms issued by the International Chamber of Commerce in Paris (ICC) in the version valid at the time the contract was concluded.
- 1.5 References to the validity of statutory provisions are only of clarifying significance. The statutory provisions apply even without such clarification, unless they have been directly amended or excluded in these GTCSO.

2. Contract Conclusion

- 2.1 Offers made by PIPETEC are subject to change and are non-binding. This also applies if PIPETEC supplies the Customer with catalogues, technical documentation, other product descriptions or documents – also in electronic form – to which PIPETEC owns the intellectual property rights and copyrights.
- 2.2 When the Customer places an order for goods it is considered to be a binding contractual offer. Unless something otherwise is stated in the order, PIPETEC is entitled to accept this contractual offer within three working days of PIPETEC receiving it.
- 2.3 Acceptance can be declared either by confirming the order in writing, providing notification of its shipping or delivering the goods to the Customer.

3. Prices / transport costs / terms of payment

- 3.1 Unless otherwise agreed in individual cases, the prices current at the time of concluding the contract apply, plus the statutory sales tax.
- 3.2 If, at the Customer's request, PIPETEC ships goods to a place other than the place of performance (known as sale by dispatch), the Customer bears the transport costs ex warehouse and the cost of any transport insurance requested unless otherwise agreed in the individual case.
- 3.3 Any customs duties or other public charges incurred are to be borne by the Customer.
- 3.4 Unless otherwise agreed in individual cases, the invoice amount is due and payable to PIPETEC without deduction within 30 days of receiving the invoice. A cash discount deduction will only be acknowledged if this has been agreed and the Customer's payment is credited to PIPETEC within the payment period.
- 3.5 If the payment deadline expires without result, the Customer enters into default. During the period of delay, interest will be charged on the invoice amount at the statutory default interest rate applicable at the time. PIPETEC reserves the right to claim further damages for delay; in relation to merchants, the claim to the commercial interest on the due date (Sec. 353 German Civil Code – HGB) remains unaffected.
- 3.6 The Customer is only entitled to set-off or retention rights insofar as his claim is legally established or undisputed. In the event of defects in the delivery, the Customer's counterclaims – in particular the right to retain a proportionate part of the purchase price in relation to the defect – remain unaffected.

4. Delivery / transfer of risk

- 4.1 The goods can be shipped to another destination (sale by dispatch) at the request and expense of the Customer. Unless otherwise agreed, PIPETEC is entitled to determine the type of shipment (including, but not limited to, the shipping route, transport company and packaging) itself.
- 4.2 If goods marked as "not in stock" are not delivered on time by PIPETEC's supplier, the relevant delivery period will be extended until delivery by said supplier plus a period

of three working days, but by a maximum period of three weeks in total, in each case provided that PIPETEC is not responsible for the delay in delivery by the supplier and PIPETEC has reordered the goods before the purchase contract is concluded in such a timely manner that under normal circumstances a timely delivery could have been expected. If the goods cannot be delivered and it is no fault of PIPETEC or cannot be delivered on time despite being reordered on time, PIPETEC is entitled to withdraw from the contract; in this case, PIPETEC will immediately notify the Customer of the non-availability of the goods and, in the event of withdrawal, immediately reimburse the Customer for any payments made to PIPETEC.

- 4.3 The risk of accidental loss and deterioration of the goods in the case of a sale by dispatch, as well as the risk of delay is transferred on delivery of the goods to the forwarding agent, carrier or person or establishment otherwise responsible for making the shipment.

5. Delay in acceptance

If the Customer delays acceptance, or if they fail to cooperate or the delivery is delayed for other reasons for which the Customer is responsible, PIPETEC is entitled to demand compensation for the resulting damage including additional expenses (e.g. storage costs). For this, PIPETEC calculates a lump sum compensation in the amount of EUR 1.00 per pallet space per calendar day, starting with the delivery deadline or – if there is no delivery deadline – with the notification that the goods are ready for dispatch. Proof of higher damages and any further claims and/or demands (e.g. termination, reimbursement of additional expenses, appropriate compensation) remains unaffected; the lump-sum compensation will be counted towards further claims for money however. The Customer is also entitled to prove that PIPETEC incurred no or only significantly less damage than the aforementioned lump sum.

6. Retention of title

- 6.1 PIPETEC also reserve the right to ownership of the goods sold until full payment of all its present and future claims arising from the purchase contract and an ongoing business relationship (secured claims).
- 6.2 The goods subject to retention of title are not allowed to be pledged to third parties or transferred as collateral before full payment of the secured claims. The Customer is obliged to notify PIPETEC immediately in writing if an application for opening insolvency proceedings is filed or the goods that belong to PIPETEC are seized by third parties (e.g. garnishment).
- 6.3 In the event of breach of contract by the Customer, and, in particular, non-payment of the purchase price due, PIPETEC is entitled to withdraw from the Contract according to the statutory provisions and/or to demand the return of the goods on the basis of retention of title. The request for the return of the goods does not include a declaration of withdrawal at the same time; rather, that PIPETEC is merely entitled to demand the return and reserve the right of withdrawal. If the Customer fails to pay the purchase price owed, PIPETEC may only assert these rights if they have unsuccessfully set the Customer a reasonable deadline for payment, or, if such a deadline is dispensable, according to the statutory provisions.
- 6.4 In the ordinary course of business, the Customer is authorised until further notice to resell and/or process the goods subject to retention of title in accordance with (c) below. In this case, the following provisions also apply.
- a) Reservation of title extends to the full value of the products resulting from the processing, mixing or combination of the goods, whereby PIPETEC is considered to be the manufacturer. If third-party goods are processed, mixed or combined with third-party goods, PIPETEC acquires co-ownership in proportion to the invoice value of the processed, mixed or combined goods. Otherwise, the same also applies to the resulting product as to the goods delivered under retention of title.
- b) The Customer hereby assigns to PIPETEC the claims against third parties resulting from the resale of the goods or the product as security in total or in the amount of our possible co-ownership share in accordance with the preceding item a). PIPETEC accepts the assignment. The obligations of the Customer stated in Sec. 6.2 also apply with regard to the assigned claims.
- c) Besides PIPETEC, the Customer remains authorised to collect the claim. PIPETEC undertakes not to collect the claim as long as the Customer fulfils their payment obligations to PIPETEC, there is no deficiency in their capacity to perform and PIPETEC does not assert their right to reserve title by exercising a right according to Sec. 6.3. If this is the case, PIPETEC can demand that the Customer inform PIPETEC of the assigned claims and debtors, provide PIPETEC with all information necessary for collection, hand over the related documents and notify the debtors (third parties) of the assignment. In this case, PIPETEC is also entitled to revoke the authorisation granted to the Customer to resell and process the goods subject to retention of title.

PURCHASE AND DELIVERY TERMS

Produktkatalog 2026

d) If the realisable value of securities exceeds PIPETEC's claims by more than 10 percent, PIPETEC shall at their discretion release the securities at the request of the Customer.

7. Customer claims for defects / warranty

7.1 Unless otherwise stated below, the statutory provisions apply to the rights of the Customer in the event of material and legal defects (including incorrect and short deliveries and incorrect assembly/installation or erroneous instructions). In any case, the statutory provisions concerning the sale of consumer goods (Sec. 474 et seq. German Civil Code – BGB) and the rights of the Customer arising from any separately issued warranties, in particular on the part of the manufacturer, remain unaffected.

7.2 In principle, PIPETEC is not liable for defects that the Customer is aware of at the time of concluding the contract or is not aware of due to gross negligence (Sec. 442 German Civil Code – BGB). Claims by the Customer for defects presuppose that they have complied with their statutory inspection and notification obligations (Sec. 377, 381 German Civil Code – BGB). An inspection always needs to be carried out immediately prior to processing in the event that the construction material or other goods is intended for installation or other further processing.

The Customer is to notify PIPETEC immediately in writing if a defect is identified on delivery, during inspection or at any later time. In any case, obvious defects have to be reported in writing no later than ten working days after delivery and defects that are not visible during the inspection have to be reported no later than ten working days after their discovery.

If the Customer fails to properly inspect the delivery and/or report a defect, any liability for the defect that is not notified, or not notified in a timely or proper manner, is excluded under the statutory provisions. In the case of goods intended for fitting, attachment or installation, this also applies if the defect only became apparent after the respective processing as a result of the breach of one of these obligations; in this case, the Customer in particular has no right to claim compensation for the corresponding costs (known as removal/installation costs).

7.3 If the item delivered is defective, PIPETEC can first choose whether they wish to provide supplementary performance by rectifying the defect (rectification) or by delivering a item that is free of defects (replacement). If the type of subsequent performance chosen by PIPETEC is unreasonable for the Customer in an individual case, the Customer can refuse it. PIPETEC'S right to refuse supplementary performance under the statutory requirements remains unaffected.

7.4 PIPETEC is entitled to make the subsequent performance owed dependent on the Customer paying the purchase price. However, the Customer is entitled to retain part of the purchase price which is reasonable in relation to the defect.

7.5 The Customer must give PIPETEC the time and opportunity necessary to deliver the supplementary performance due, and, in particular, must hand over the rejected goods to us for testing purposes. In the event of replacement, the Customer is to return the defective item at the request of PIPETEC subject to the provisions of law; however, the Customer does not have a right of return. Subsequent performance neither includes the dismantling, removal or disassembly of the defective item nor the installation, fitting or assembly of a defect-free item if PIPETEC was not originally obliged to render these services; claims for the reimbursement of the corresponding costs (known as „dismantling/assembly costs“) remain unaffected.

7.6 If a defect actually exists, the costs that arise for the purpose of the testing and supplementary performance, and, among other things transport, travel, labour and material costs, as well as eventual removal and installation costs, will be borne or reimbursed by PIPETEC in accordance with the provisions of law and these GTCS. Otherwise, PIPETEC can demand that the Customer reimburse the costs arising from the unjustified request to remedy the defect if the Customer knew or could have known that there was actually no defect.

7.7 In urgent cases, e.g. if operational safety is jeopardised or to prevent disproportionate damage, the Customer is entitled to remedy the defect themselves and to demand reimbursement of the costs objectively deemed necessary for this purpose. PIPETEC is to be notified of this form of self-remedy without delay, if possible in advance. The right to self-remedy does not exist if PIPETEC would be entitled to refuse a corresponding subsequent performance under the statutory provisions.

8. Misc. liability provisions

8.1 Unless otherwise stated in these GTCS, including the following provisions, PIPETEC is liable for the breach of contractual and non-contractual obligation in accordance with the statutory provisions.

8.2 PIPETEC is liable for damages for intent and gross negligence in the context of fault-based liability for whatever legal reason. In the case of ordinary negligence, subject to limitations in legal liability (for example, due care in own affairs, insignificant breach of duty), PIPETEC is only liable

- For damages resulting from loss of life, limb or health and

- For damages resulting from the material breach of an essential contractual obligation (an obligation whose fulfilment allows the proper performance of the contract to take place in the first place and whose compliance with which the contractual partner regularly relies and can rely upon; in this case, however, the liability is limited to compensation for foreseeable, typically occurring damage).

8.3 The liability limitations resulting from Sec. 8.2 also apply in relation to third parties as well as to breaches of duty by persons (also in their favour) for whose fault we are responsible according to the statutory provisions. They do not apply insofar as PIPETEC has fraudulently concealed a defect or on the part of PIPETEC a guarantee was assumed for the condition of the goods and for claims by the Customer under the German Product Liability Act (ProdHaftG).

9. Limitation

9.1 Notwithstanding Sec. 438 (1) (3) German Civil Code (BGB), the general limitation period for claims for material and legal defects is one year after delivery of the goods to the Customer. If the goods are a thing that has been used for a construction in accordance with its customary use and has caused the construction to be defective (construction material), the limitation period is 5 years from the delivery date of the goods to the Customer.

9.2 These limitation periods for the sale of goods law also apply to contractual and non-contractual claims for damages by the Customer, based on a defect in the goods, unless applying the regular statutory limitation period would lead to a shorter limitation period in individual cases. Claims for damages under the Section 8.2 of these GTCS and in accordance with the Product Liability Act (ProdHaftG) expire after the statutory limitation periods have expired however.

9.3 The relief from the limitation periods agreed in accordance with these GTCS does not apply insofar as PIPETEC is liable in accordance with the other liability provisions under Sec. 8.2 here or a third party's right in rem is involved on which basis the surrender of the delivery item can be demanded.

9.4 The rights of recourse for entrepreneurs set out in Sec. 478 German Civil Code (BGB) remain unaffected by the provisions of Sec. 1 to 3 inclusive of these GTCS.

10. Final Provisions

10.1 The law of the Federal Republic of Germany applies to these GTCS. The provisions of the United Nations Convention on Contracts for the International Sale of Goods (UN Sales Convention) do not apply.

10.2 If the Customer is a merchant, legal entity under public law or special fund under public law in terms of the German Civil Code, the exclusive place of jurisdiction for all disputes directly or indirectly arising from the contractual relationship is the registered office of PIPETEC. The same applies if the Customer is an entrepreneur and has no general jurisdiction in Germany or the EU, or their domicile or habitual place of residence remain unknown at the time of legal action. The power of PIPETEC to call the court in another legal jurisdiction remains unaffected by this.

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