... just safely installed

multitubo systems

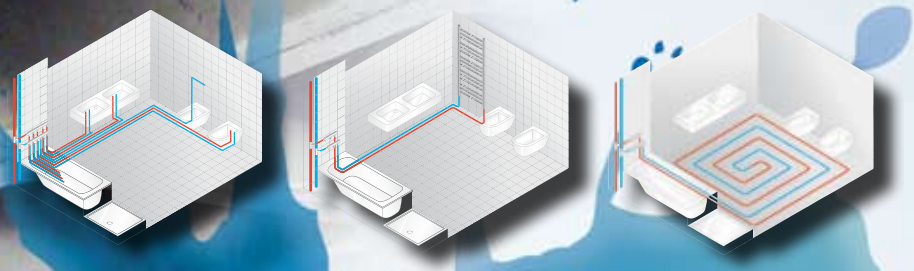
SANITARY
HEATING
RADIANT HEATING
SPECIAL APPLICATIONS

Now even more flexible!

4 TYPES OF CONNECTION 1 PIPE

made in germany

A system for sanitary installations, radiator-connections, and radiant floor heating



4 TYPES OF CONNECTION 1 PIPE FLEXIBILITY IN CALCULATION AND INSTALLATION

The metal-press fitting

Universal connection-technology up to Ø 75mm by MULTITUBO systems.

The PPSU Press fitting

The economical extension to the metal press-fitting range up to Ø 32 mm.

MULTITUBO´s team of engineers all have practical experience. We are able to offer a system for successful projects. We developed four different connection types, each with its own strength. So the installer, can always select the optimal way to complete his installation.

And the best of the MULTITBO systems is: All these connections are fully compatible within their dimension range. That's the way of success.

INTERNATIONAL BRAND

Since our foundation in 2004, we have stayed close to market requirements, so MULTITUBO systems have been constantly improved, gaining an excellent reputation.
Today, we are working with partners in more than 35 countries, successfully promoting MULTITUBO systems in their market; a clear indication that by listening we hit the demands of installers worldwide.

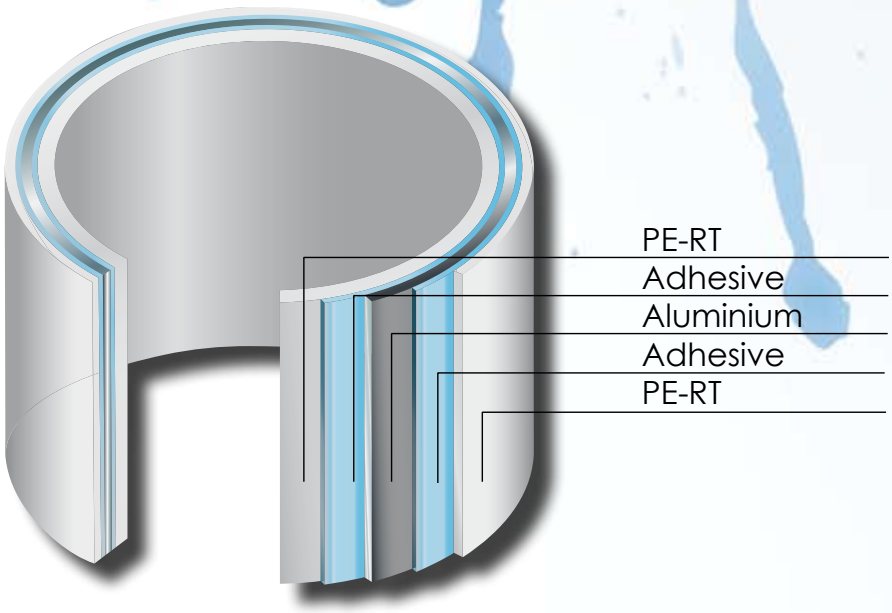
The Push-Fitting

Invincible where press-tools cannot be used or where a rapid installation progress is required - up to Ø 32mm.

The Welding Fitting

Especially for riser-systems up to Ø 75 mm the welding technology proves its costs efficiency.

MULTILAYER PIPES FOR A SAFE AND PERMANENT LEAK-TIGHT INSTALLATION



made in germany

- Easy to form
- No snap-back-forces
- 100% Oxygen tight
- Low heat-expansion
- Low weight
- Form stable
- No corrosion
- No deposits

A modern composite material

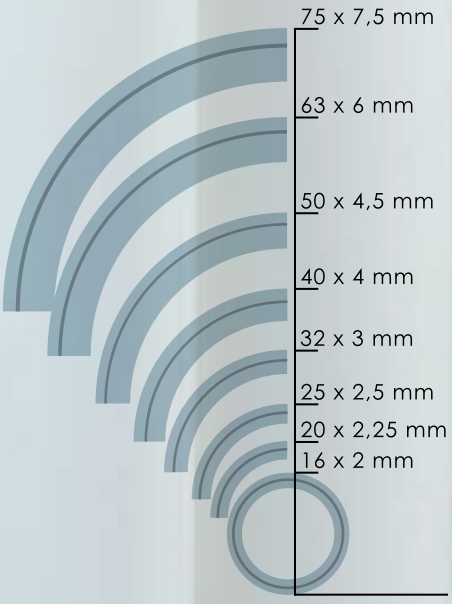
By combining a modern PE-RT (Polyethylene with increased temperature-resistance) and metal, a new material is formed. Technologically advanced, providing surety and securety.

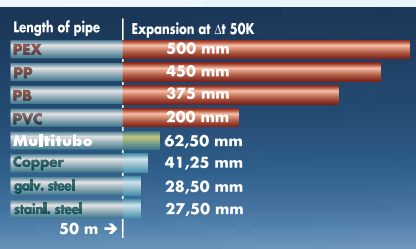
The pipe´s ultra smooth inner-layer – lasting its whloe lifetime - prevents formation of deposits and corrosion. The metal layer prevents any oxygen ingress and is the basis for the unique pipe installation.

MORE THAN 25 YEARS OF EXPERIENCE

The core of MULTITUBO systems is the multilayer pipe. Our experienced team, who developed the overlapped-welded multilayer pipe for serial production more then 25 years ago, provides a pipe quality, which is globally one of the very best.

By using only high-grade raw-materials, innovative research and development and a patented production-process, we guarantee permanent top quality for long term safety of the installation.





Easy to form

The easy bending of the pipe, considerably simplifies rapid and safe installation.
So the smaller dimensions can be easily bent by hand; this is not just time-saving, it also reduces the number of fittings required.

Low heat-expansion

Linear heat expansion is similar to other metal pipes; thus the MULTITUBO system multilayer pipes also give advantages when fixing fewer clip-points saves installation-time.

Form stable

The metal layer in the pipe resists snap-back forces. So it keeps its form as bent.

Innumerable times proven and tested. Our

METAL-PRESS FITTING

A complete range up to Ø 75 mm. For all installations starting from the risers up to the supply-points.

HIGHEST DEGREE OF SAFETY

EASY TO INSTALL

HIGH DEGREE OF INSTALLATION SAFETY

from the double-flanged pressing sleeves, always secures the correct position of the pressing-jaws

SPECIAL PROFILE GEOMETRY

for safe and permanent leak-tight connections

ADDITIONAL TEST SAFETY (16 – 32 MM)

Non pressed connections are detected during the pressure test (test pressure 10bar, usage of original MULTITUBO systems tools)

INNUMERABLE TIMES PROVEN FOR VALUE

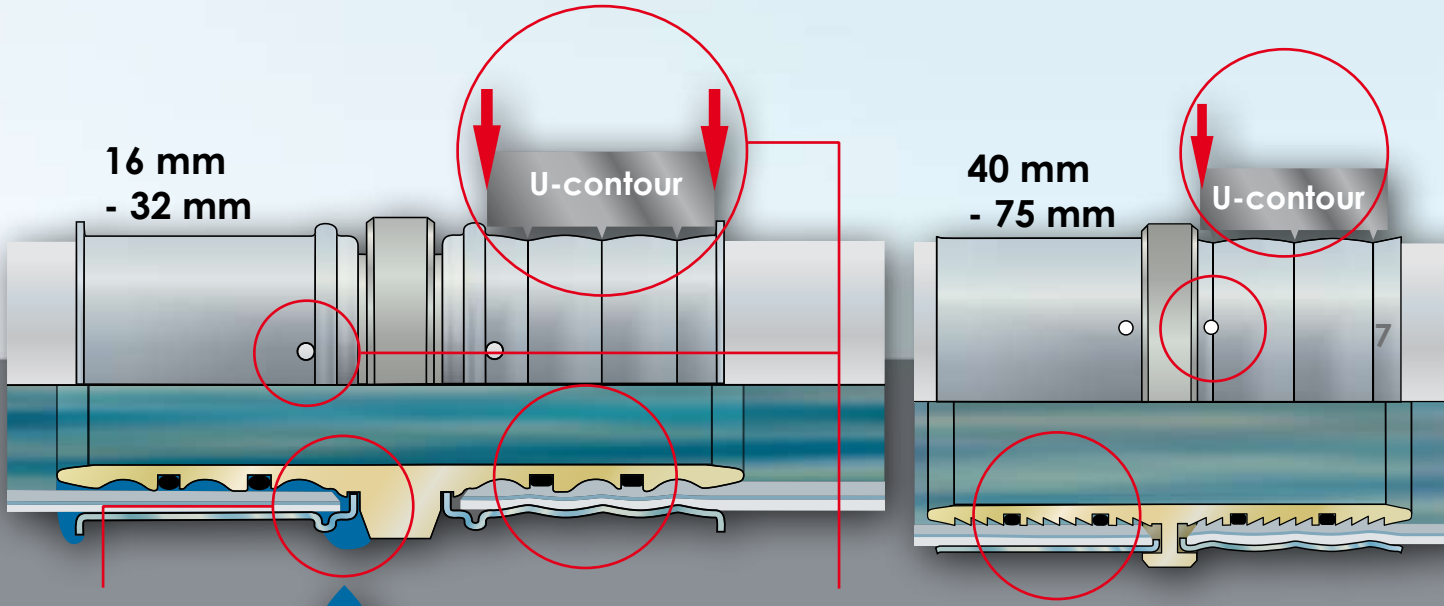
due to top quality that is internationally tested and valued by the user.

The MULTITUBO range also includes superb tooling for the installers every need.

Starting with the hand-pressing-tool (16mm – 20mm); continuing with the lightweight Mini-Press tool (to Ø32mm); up to the powerful battery-press-tool for dimensions up to 75mm.

... CUT TO LENGTH, ...
... CALIBRATE AND BEVEL, ...
... INSERT THE FITTING, ...
... PRESS, ...
... THAT'S IT!

The metal-press-fitting was the first type of connection developed by MULTITUBO systems; it has been installed innumerable times. The fittings features provide quick and safe working progress. Thus, it is always economical.



Additional safety test

With this additional safety test feature non-pressed connections from dim. 16 mm to 32 mm are detected during the pressure test (test pressure 10bar, usage of original MULTITUBO systems tools).

Double flange press-jaw guide, Inspection window

The double flange press-jaw guide (Ø 16 mm – 32 mm) also helps easy pressing in places with tight space. Greatly reassuring in practice; once the press-jaws are positioned correctly, the joint can only be made properly.

Easy connection

Sophisticated connection technology and easy handling are both attributes of the metal press fitting. The metal press fitting range from 16 mm up to 75 mm gives all the elements for a modern and safe installation.

The economical alternative to the metal press fitting, the

PPSU-PRESS FITTING

Up to Ø 32 mm, this fitting is an economical alternative to the metal press fitting.
Use them to protect your cometative edge when pricing.

The PPSU press fitting gives the installer competitive advantage when he needs to examine project pricing. The most common distribution fittings are easily substituted from metal to PPSU press fittings. The installation process is the same without any compromise for safety and security.

THE ECONOMIC ALTERNATIVE

HANDLING EQUAL TO METAL PRESS FITTING

PRICING ADVANTAGES

With the body made of PPSU, these press fittings are the cost efficient alternative for the most used dimensions of 16 mm to 32 mm

SPECIAL PROFILE GEOMETRY

The specially designed profile of the PPSU moulding secures a permanent, leak-tight connection

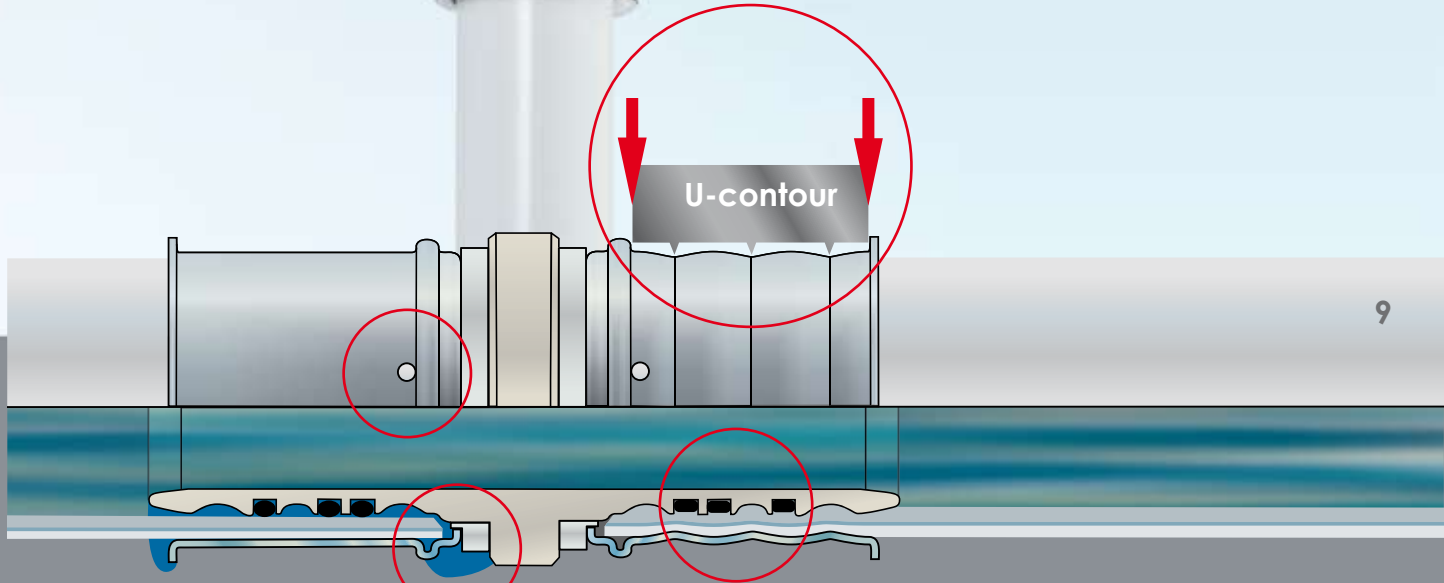
ADDITIONAL SAFETY TEST

As with the metal press fitting, non pressed connections are detected during the pressure test (test pressure 10bar, usage of original MULTITUBO systems tools)

PPSU – technology in the material

To secure the highest quality requirements for this fitting generation, MULTITUBO systems is employing the high performance plastic PPSU. This advanced material possesses high impact resistance; high temperature resistance; as well as high chemical resistance. The PPSU-press fitting has the same assembly requirements as the metal press fitting.

CUT TO LENGTH, ...
... CALIBRATE AND BEVEL, ...
... INSERT THE FITTING, ...
... PRESS, ...
... THAT'S IT!



Sophisticated technology

The PPSU press fitting is the cost saving alternative in pipe systems. But the installer can still use all other fittings in the MULTI-TUBO systems metal press product range. Threaded connections and larger dimensions can be integrated without the use of adaptors.

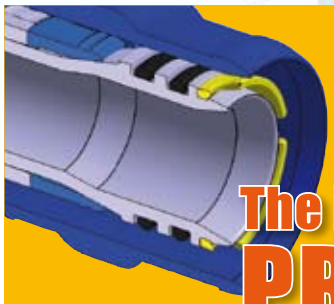
Working with all the safety features

The PPSU press fitting has all the advantages of the metal press fitting: Double flanged jaw-guide sleeve, Inspection window, additional safety test and permanently leak-tight from the EPDM O-rings.

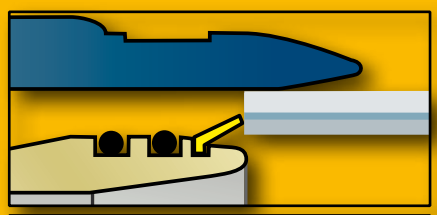
Strong in areas with limited space, unbeatably fast:

PUSH-FITTING

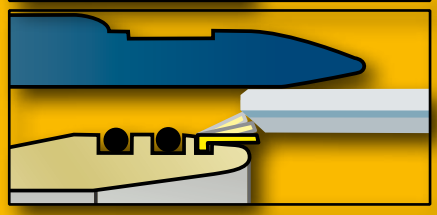
Up to Ø 32 mm a real champion of speed or in situations where working with tools poses difficulty.



The latest generation – with PROTECTOR-ring



Non-calibrated pipe:
The PROTECTOR ring prevents insertion of the pipe and thus damage of the O-rings.



Correctly calibrated pipe:
The PROTECTOR ring slides aside. The pipe is easily inserted.

CUT TO LENGTH, ...
... CALIBRATE AND BEVEL, ...
... INSERT THE PIPE INTO FITTING, ...
... THAT'S IT!

FAST WORKING

NO TOOLS FOR CONNECTING
Just push the prepared pipe into the fitting - done!

SOLID FITTING BODY MADE OF METAL
Familiar high quality and safety

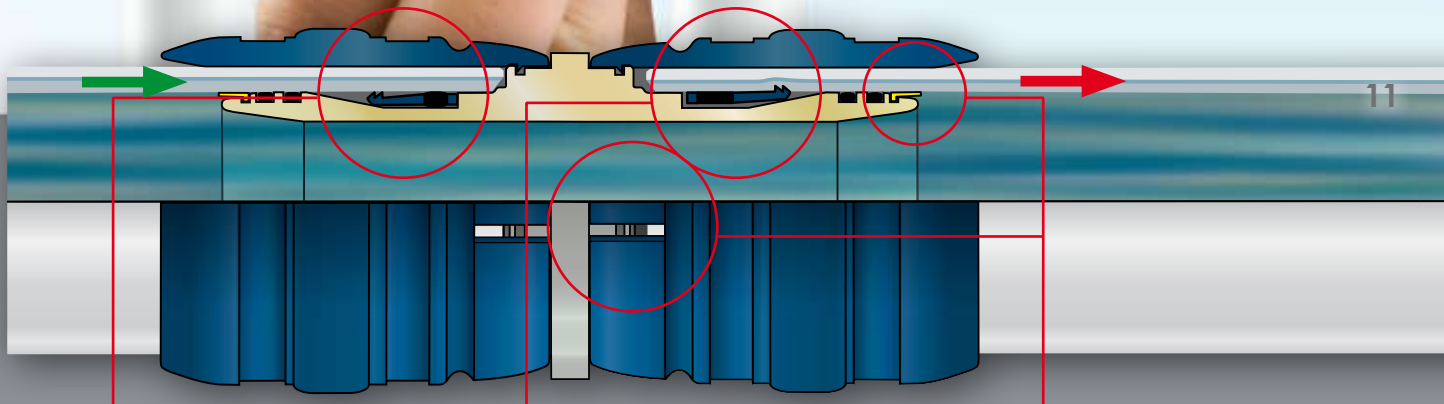
HELD SECURE BY THE GRIPRING
GRIPRING made of high performance plastic secures the pipe

EASY CHECKING VIA THE INSPECTION WINDOW
Correct connection is easily controlled and monitored via the inspection window

The push fitting, with its easy installation and its thoroughly engineered construction, is the perfect complement to the system. With low installation effort and high safety, the push fitting does its work when working time counts. Repairs and additional pipe runs in extremely tight spaces now are installed fast!

Always a good show

The slim design allows easy insulation over both pipe and fittings.



The GRIPRING

The concept of the GRIPRING with its integrated spring element ensures easy insertion of the pipe. As the pipe passes the Gripring, the pretension of the spring element will prevent the pipe to be extracted.

Easy installation, secure grip

Immediately the pipe is inserted, the GRIPRING begins gripping the fitting body and the pipe wall, it bites deeper, with increasing force, into the pipe and locks firm.

Always complete control

With the PROTECTOR ring and the inspection windows, correct assembly is mere child's play. Non-calibrated pipes cannot be pushed into the fitting.

For the first time multilayer pipes can be joined by welding using fittings with MULTIWELD-technology

WELDING FITTINGS

are a completely newly developed jointing systems up to Ø 75 mm. For the larger sizes especially, the welding fittings score due to their cost-effectiveness.

NEW

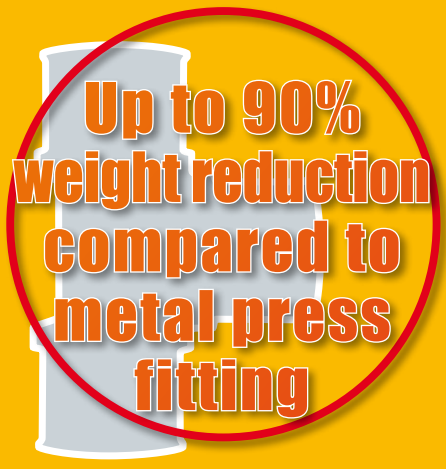
WORLD DEBUT
Introduced at
ISH 2011
Welding fitting
Made of **PE-RT** Type II

SO EASY, SO ADVANTAGEOUS, SO SAFE

EASY INSTALLATION
Pipe and fitting are heated (to melt specification), pushed together, cooled off, done!

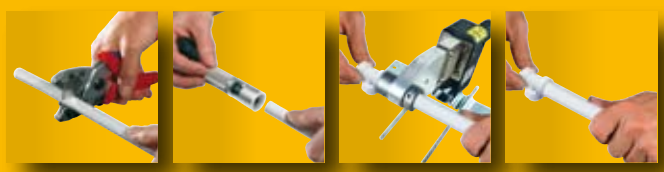
HOMOGENOUS, HERMETIC CONNECTION
Hermetically sealed jointing is the result of the welding process. No additional sealing is required

VERY COST EFFICIENT
Compared to metal press fittings the welding fittings consitst of only one low weight material and this provides massive cost efficiency

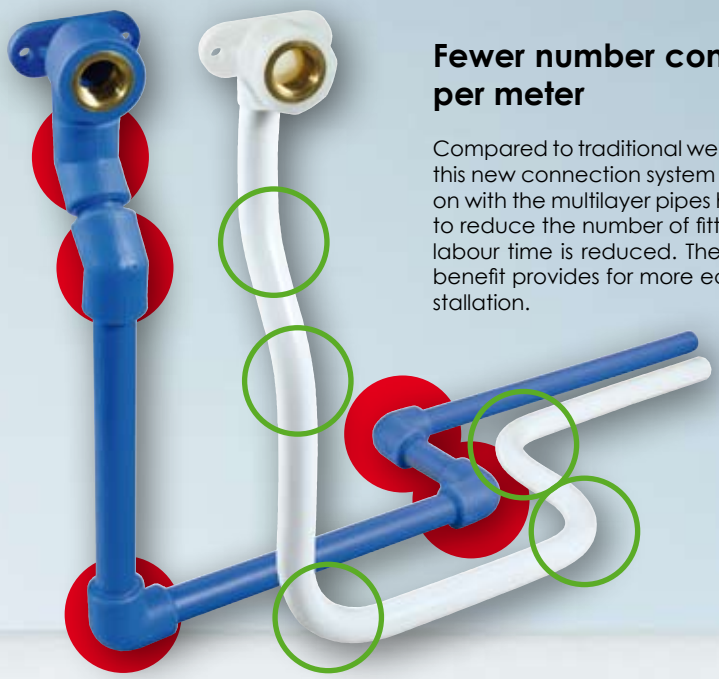


One material, simple design

Like the pipe's inner and outer layer the MULTITUBO system welding fitting is made of PE-RT (Polyethylene with increased temperature resistance). The material fully covers the metal pipe layer hermetically.

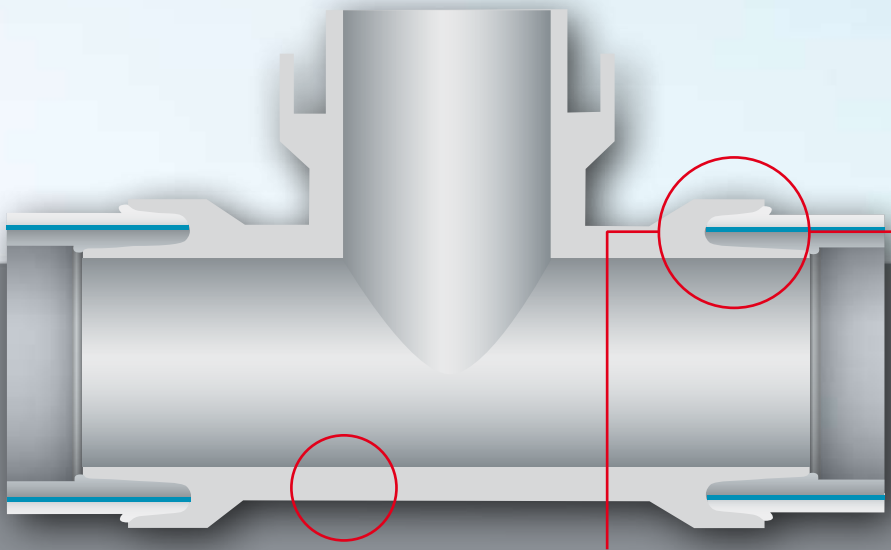


CUT TO LENGTH, ... CALIBRATE, ... HEAT UP PIPE AND FITTING, ... CONNECT, ... DONE!



Fewer number connections per meter

Compared to traditional welding systems, this new connection system in combination with the multilayer pipes has the ability to reduce the number of fittings and thus labour time is reduced. The 'easy bend' benefit provides for more economical installation.



MULTI WELD

Safe connection

Due to the homogenous connection, the welding technology provides optimum and permanent protection of the joint. Even without any additional sealing, the joint is permanently leak-tight.

Constantly flowing

The picture shows the material flow within the weld connection. You can clearly see that the flowing material fully covers the aluminium edge.

Patented Know-How

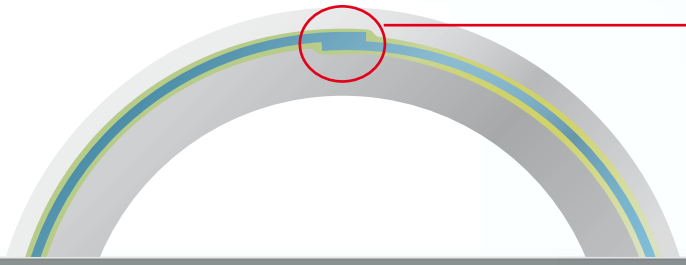
The patented MULTIWELD technology displays its advantages due to its sophisticated connection geometry. This geometry secures the material flow so the pipe is in an optimum position for the connection, by using our long standing knowledge of MULTIWELD in developing welded connections.

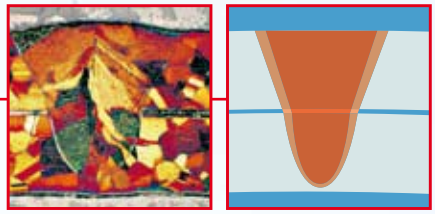
Innovation must be the reason for every day's work, because

DEVELOPMENT AND ENVIRONMENTAL PROTECTION affects the economic efficiency of a system. So we stand for a successful and healthy future

10 YEARS WARRANTY

For a trendsetting pipe system, environmental awareness stands alongside its function during our focus on development. It is important that the ratio of energy intensive components are kept as low as possible. This is achieved primarily from the pipes material structure. Here multilayer pipes provide the ideal blend of convenience and material usage. But additionally with our new developments in jointing technology, we are on the right track by reducing the use of high energy materials. Therefore the work is not only technically state-of-the-art but also enironmentally.





One of our outstanding innovations is the over lapped, laser welded multilayer pipe. Ultimate precision and strength for optimum quality.

Excellent ecological balance

The composite material is designed for a low energy consumption during production. The thin metal layer prevents oxygen diffusion through the plastic layers. The performance of the inner layer also guarantees smooth and hygienic water transportation.

High degree of hygienic safety

The smooth surface of the pipe's inner layer prevents the formation of deposits, and lasts for its whole lifetime.

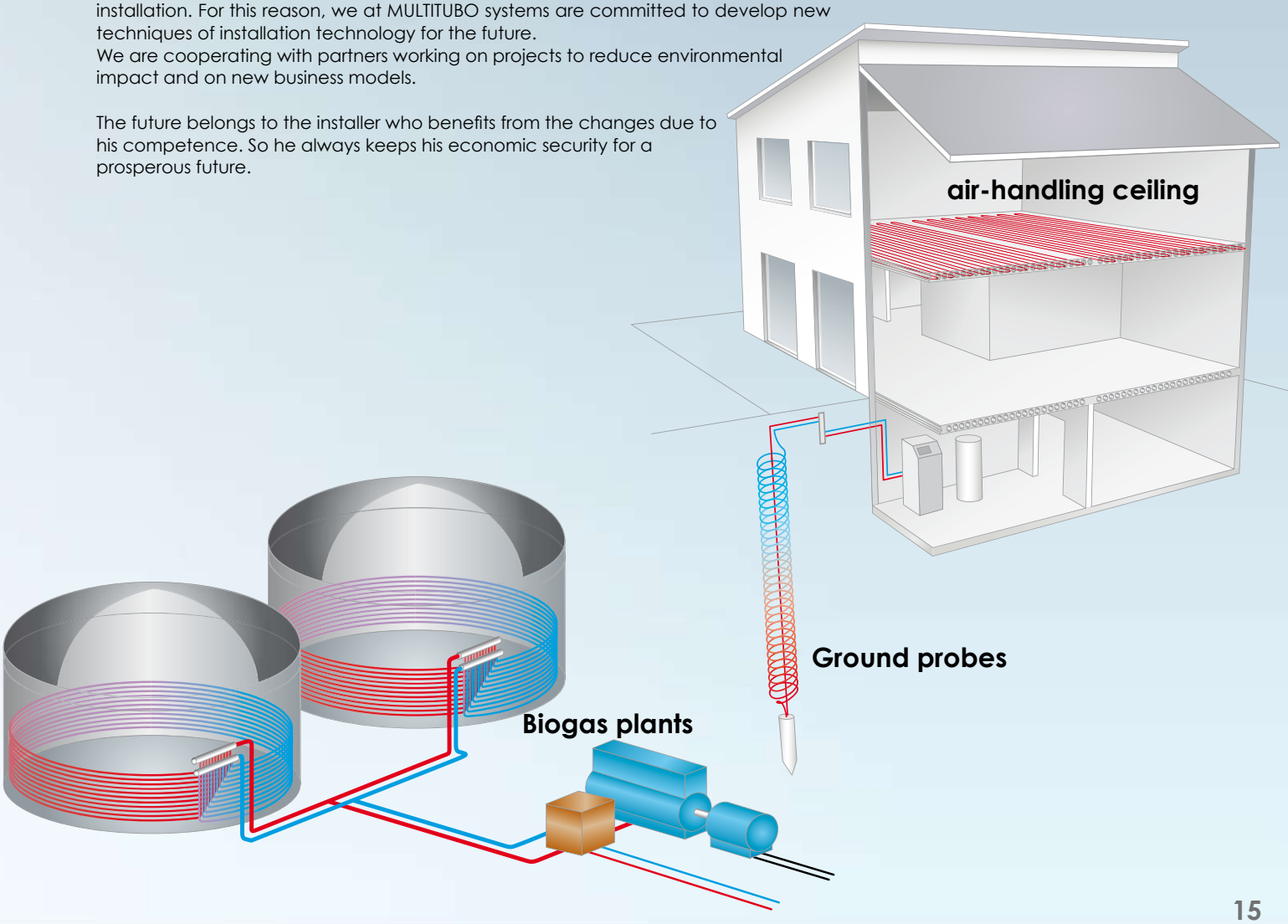
100% recyclable

Unlike crosslinked plastic materials, all composite materials (PE-RT, aluminium and adhesive) can be easily recycled and returned to the raw material cycle.

Sophisticated solutions

By finding new energy sources, such as heat-pump technology, the market has changed dramatically. Not only has energy generation changed, but also the method of installation. For this reason, we at MULTITUBO systems are committed to develop new techniques of installation technology for the future.
We are cooperating with partners working on projects to reduce environmental impact and on new business models.

The future belongs to the installer who benefits from the changes due to his competence. So he always keeps his economic security for a prosperous future.



Air-handling ceiling

Pipe work for `building conditioning´ is integrated directly into the concrete ceiling. Reduction in the pipe-laying effort generates new possibilities to invest in additional equipment like integrated cooling devices.

Ground probes

Ground probes made from multilayer pipes show higher energy absorbtion compared to traditional ground probes. Thus the drilling depth could be reduced which dramatically reduces drilling costs, and also means less interference to the subterranean water resources.

Biogas plants

The use of multilayerpipes in biogasplants prevents diffusion of fermentation gas into the pipe systems. Due to the constant mechanical mixing in the fermenters, crush resistance of the pipe is especially important. With its protected aluminium layer the multilayer pipe is perfect for this type of application.

Detailed technical information and assembly instructions are available in our Technical Manual on our homepage under "Downloads" or can be requested from the following address:

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95100-gb-07/11