Now even more flexible

5 TYPES OF CONNECTION
1 PIPE

...just safely installed

SANITARY
HEATING
RADIANT HEATING
SPECIAL APPLICATIONS

made in germany
A SYSTEM FOR SANITARY INSTALLATIONS, RADIATOR-CONNECTIONS AND RADIANT-UNDERFLOOR-HEATING

THE METAL-PRESS-FITTING

THE WELDING FITTING

THE PPSU-PRESS-FITTING
FLEXIBILITY IN CALCULATION AND INSTALLATION

MULTITUBO systems have practical experience. We have used this experience to offer a system with which you can successfully realize your projects. We have developed five types of connection fittings – each with its own strength. Five solutions to enable any installer to complete their daily work using one brand, MULTITUBO systems.

INTERNATIONAL BRAND

Focused on the demands of our various markets MULTITUBO systems has been gaining an excellent reputation since it was founded in 2004. Today we are working globally with business partners successful in more than 35 countries - a proof that by realising our ideas we hit the demands of installers worldwide.
MULTITUBO systems multilayer pipe is the core of all connections. With the experience of the team that developed the overlapped-welded multilayer pipe for serial production more than 30 years ago we provide a pipe globally recognized for its quality.

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

THE MULTILAYER PIPE

FOR A SAFE AND LONG-LASTING INSTALLATION

1. No snap-back when bending
2. Easy to form

100% Oxygen-tight
Low heat expansion
Form stable advantages like a metal-pipe resulting from an overlapped Aluminum layer

Easy to form
Low weight
No corrosion

No deposit build-up advantages like a-plastic pipe resulting from an inner- and outer-layer of PE-RT
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 security and safety.
The pipe’s ultra smooth inner-layer – lasting its whole lifetime – preventing formation of deposits and corrosion. The metal layer prevents any oxygen ingress and is the basis for the unique pipe installation.

Form stable

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

Easy to form

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

Low heat expansion

The linear heat expansion is similar to other metal pipes: thus the MULTITUBO systems multilayer pipes also offer advantages by fixing fewer clip-points, saving installation-time.
The Metal-Press-Fitting was the first type of connection developed by MULTITUBO systems and has been installed innumerable times. The fittings features enable quick and safe working process.

Additional test safety - Leak Path
With this additional test safety feature non-pressed connection of dimensions 16mm to 32mm can be 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 (dim. 16mm – 32mm) makes correct pressing easier. A benefit in practice: once the pressing-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 16mm up to 75mm holds all the features for a modern and safe installation.

Tools
Within the MULTITUBO systems there are also practice-oriented tools developed for a professional use: Starting with the hand-pressing-tool (dim. 16mm to 32mm) to the light-weighted Mini-Press-tool (up to dim. 32mm) and even the powerful battery-press-tool for dim. up to 75mm.
THE METAL-PRESS-FITTING

A GLOBAL SUCCESS

A complete range up to dimension 75mm to be used for risers to the point of use.

Fitting-body made of brass

U-Contour with double pressing jaw guide

U-Contour with pressing jaw guide

Inspection window

Additional test safety

2 O-Rings
To secure the highest quality requirements for this fitting, MULTITUBO systems uses the high performance plastic material PPSU. This material has a high impact resistance as well as high temperature and chemical resistance. The installation process and performance is equal to that of the Metal-Press-Fitting.

THE PPSU-PRESS-FITTING
THE ALTERNATIVE IN THE FAST MOVING ITEMS RANGE

A cost-effective extension to the Metal-Press-Fitting range from dim. 16mm up to 32mm.

1. U-Contour with double pressing jaw guide... ensuring the correct positioning of the pressing jaw.
2. Inspection window... for easy checking of insertion depth of the pipe
3. Additional test safety... helps to detect non-pressed fittings during the pressure-test at 10 bar.
4. 3 O-Rings
The PPSU-Press-Fitting is the logical extension to increase the installer’s options. It enables him to use the PPSU-Press-Fitting instead of the Metal-Press-Fitting for the mostly used supply-connections – with equal installation properties and without taking any risks.

**Sophisticated technology**
The PPSU-Press-Fitting is the cost-saving alternative for the MULTITUBO pipes. But still the installer can use all the other fittings of the MULTITUBO systems fitting range. Threaded connections and bigger dimension can easily be integrated without using any adapters.

**Without any installation differences**
The PPSU-Press-Fitting has the same advantages and characteristics as the Metal-Press-Fitting: Double flanged jaw-guide sleeve, inspection window, additional test safety and permanent tight EPDM O-rings.
THE PUSH-FITTING
UNBELIEVABLY QUICK ... without pressing or welding tools.
AND UNBEATABLE IN TIGHT SPACES

The safe connection – no pressing tools required

The PROTECTOR-ring

1. Fitting-body made of brass or PPSU
2. GRIP-Ring
3. Transparent Sleeve to ensure correct insertion depth of the pipe
4. Protector-ring
5. 2 O-rings

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

Correctly calibrated pipe: The PROTECTOR-ring slides aside. The pipe can easily be inserted.
Easy Handling

Pipe-Cutter and Calibrator – that’s everything you need. Real advantages on site when you have a tight schedule or an urgent repair. Little set-up time - quick installation.

Highest Safety

Despite the quick and easy manner of the installation, the Push-fitting performance is equal to that of our other fittings options.

The Grip-Ring

With its integrated spring the Grip-ring allows an easy insertion of the pipe as well as high tension gripping of the pipe wall after pressurizing the pipe system. The pipe is kept in a tight, permanent position.

The PROTECTOR-Ring

The PROTECTOR-ring prevents any insertion of non-calibrated pipes. Only well prepared pipe-ends can be used, even in the hustle and bustle.

Slim design

The slim design of the Push-Fitting, any required insulation can been pulled over it without any big effort.
Less Fittings per meter
Compared with traditional welding systems our innovative welding system, with the advantages of the PE-RT / Al / PE-RT pipes, has the benefit of reducing the number of fittings required and thus to saving time.

Simple to reduce
Designed as a modern modular system all required reductions can be done fast and easy by yourself. Similar to connecting a pipe to the fitting, the adapters must be welded to the larger fitting, creating the reduction as required.

Homogenous and Hermetic Connections
The welding fittings are produced of the same PE-RT material as the pipe’s inner and outer layers. During the welding process both parts merge to a homogenous and hermetic connection – a permanent single connection without any sealing parts.

Patented Know How
The patented technology secures an optimal material flow, resulting from the long-term experience in developing welding connections.

Up to 90% lighter than the Metal-Press-Fitting
CUT TO LENGTH, ... BEVEL, ... HEAT UP PIPE AND FITTING, ... CONNECT BOTH. THAT’S IT!
THE WELDING FITTING
THE NEW WAY TO WELD PIPES

A revolution in welding technology. The MULTITUBO multilayer pipe is welded inside and outside and because of the homogenous hermetic connection perfectly protected. This is how welding is done today.

1. Patented Profile geometry
   Inner and Outer-pipe layers are welded. Total system confidence

2. Up to 90% weight-reduction
   Made of Polyethylene with increased temperature resistance [PE-RT]. Making life easier when working overhead.

   Up to 50% cost-reduction
   Saving costs in production enables price advantages on site

3. Deburred pipe ends for a secure connection

4. Reductions easily done
   Create the fitting reduction first, then go ahead with the required pipe dimension.
Using MULTITUBO systems doesn’t only mean you save time and money, our solutions are also saving our natural resources. We protect the environment. Whenever we can reduce the energy input of our production process, we do it. With our PPSU-Press- and PPSU-Push-fittings as well as with the welding-fitting we have solutions for the most needed connections respectively for connectors with a high material requisition. Those alternatives materials not only effect your expenditures, they also have a positive impact in saving natural resources and energy.

Excellent Ecological Balance

With MULTITUBO systems it is easy to improve the ecological impact of any installation. So the high energy impact of extraction and production of metal is always in our considerations. With our alternatives you are able to reduce the contingent of metal.

High degree of hygienic safety

All material used in our system are according to the actual requirement of the DVGW (German drinking water association). Additionally the consumer has the guarantee that the pipe surface keeps its features for the full lifetime. No chance for the corrosion and deposits.

100% recyclable

By selecting the right materials we made sure that all components can be recycled 100%. Also the different materials of the pipe can be separated and re-used in the raw material circuit process.

The power of innovation

We have already proved that with using our solutions the installer is able to save time and work more efficiently. Additionally, with the permanent improvement of our products we are constantly striving to make the installer’s daily work easier and more efficient by developing new products. The installer gains the flexibility that he needs to win the competition at the building-site. Thus we are very proud that we were able to adapt a further innovation, the welding-technology to our system.

Our combination make the success

More possibilities – more success. Use the flexibility of our products for your success.
Sophisticated solutions

The need for new energy-sources, such as using heat-pump-technology, the market has changed dramatically. Not just the energy sourcing have changed, but also the way of installing these technologies. For this reason we at MULTITUBO systems are committed to developing new solutions in installation technology for the future. For that reason we are already cooperating with partners working on solutions to reduce the environmental impact of such installations. The future belongs to the installer who is able to detect that change and benefits from the potential by using that new technologies.

Air-handling ceiling

“Building conditioning” means, that the pipe work is embedded directly into the concrete ceiling. Cost-savings in the pipe-laying labor enables the client to invest in additional equipment, such as integrated cooling devices.

Ground Probes

Ground probes made of multilayer pipes proof a higher energy absorption compared to traditional ground probes. So the depth of the borehole can be reduced allowing for enormous cost-savings on drilling costs as well as less interference in the subterranean water resources. We are always considering the environmental impact of our products.

Biogas Plants

The use of Multilayer pipe in biogas plants prevents a diffusion of fermentation-gas into the pipe system. Due to the permanent mechanical mixing in the fermenters, an adequate crush-resistance of the pipe is very important. With the protected aluminum layer the multilayer pipe is perfect for that type of application.
Technical details are subject to change. 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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