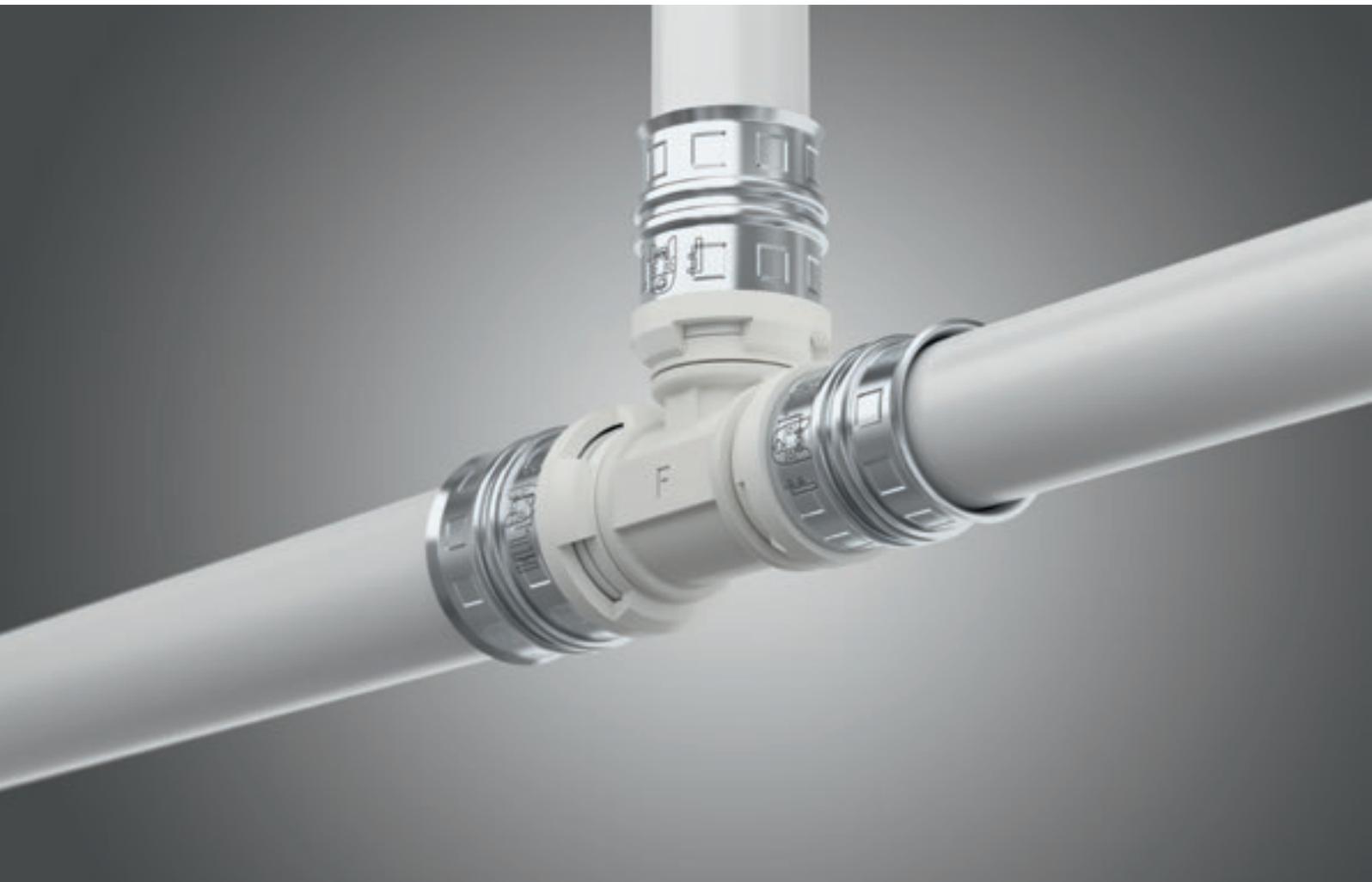
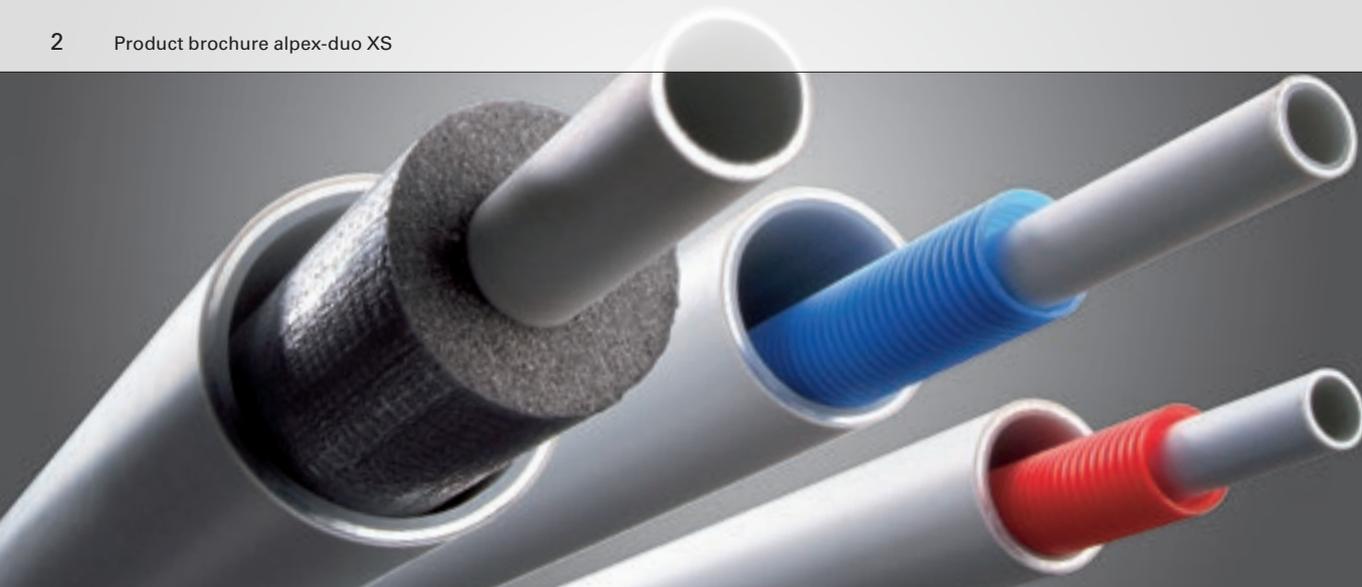


Product brochure

alpex-duo[®] XS



eXtra Safety - easy, secure and future-proof



alpex-duo® XS – The complete system with eXtra Safety

alpex-duo XS pipe

High-quality multilayer composite pipes

The various alpex-duo XS composite pipe designs are of utmost quality, flexible and practice-oriented, with internally cross-linked materials and a butt-welded aluminium core (PE-X/AL/PE-RT).

A combination that ensures ideal processing and superior operational reliability. Whether as flexible coiled pipes, stable straight lengths, pre-insulated composite pipes, or pipes with protective sheathing – the installation is easy and time-saving!

- Corrosion-resistant
- 100 percent impermeable to oxygen
- Low thermal linear expansion, comparable with copper
- 95 °C max. permissible continuous operating temperature
- Large pipe inside diameters



Optimal flexibility



With FRÄNKISCHE's alpex pipe bender set, the installers can bend the alpex pipes for drinking water and heating installations to the desired shape in just a few simple steps. Small bend radii render fittings such as elbows virtually superfluous and make insulation easier.

- Easy to bend by hand
- When using the alpex pipe bender set, very small bend radii of two times the outside diameter are possible
- Time and cost saving due to fewer fittings



alpeX-duo XS fitting

High-quality fittings

alpeX-duo XS fittings provide specialists with a suitable solution for every installation situation. The ingenious fitting design and comprehensive selection in dimensions between 16 and 32 mm ensure easy and future-oriented installation.

- Flow-optimised: 30 percent larger cross-sectional surface as compared with conventional press fittings with leak function
- Press jaw flexibility: 1 fitting – can be pressed with F- and TH-contour
- Leak function
- Superior materials: Fittings manufactured from high-performance PPSU plastic or dezincification-resistant lead-free brass CW724R
- Large inspection holes for verifying correct positioning
- Protected O-rings



Secure leak function



Along with high-quality materials, alpeX-duo XS offers even more protection due to smart features such as leak function. During the required pressure test after installation, the user can immediately determine where a fitting has not been pressed, and subsequently fix the leak.

To do so, simply let the water flow through the ready installation – the impermeability test requires at least 1 bar.

If a fitting has been left unpressed, the installer will immediately see the location of the leak, since water will be visibly escaping thanks to alpeX-duo XS leak function.

This is how fast safety can be!



Easy and secure installation

No calibration

Thanks to the new alpex-duo XS fittings, calibration is no longer required!
They are installed in three simple steps:

1. Cutting the pipe to length with a pipe cutter to ensure a cut at a right angle.
2. Fixing the fitting by inserting the base body into the end of the pipe. Verification through the inspection hole in the fixation ring.
3. Pressing pipe and fitting with a pressing tool.



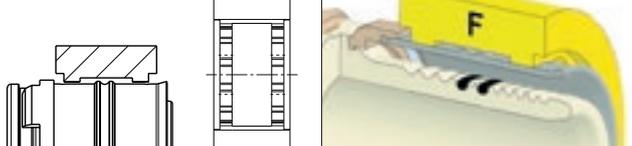
Easy identification

The new alpex-duo XS fittings feature a unique laser engraving on the pressing sleeve. It lets you know at a glance that the fittings can be pressed with F- and TH-pressing contours. Thanks to this engraving, the fittings can be easily identified.

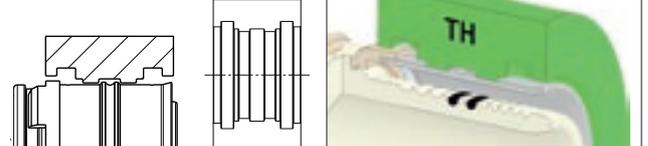
FRÄNKISCHE offers the advantage of two possible pressing contours with alpex-duo XS. All alpex-duo XS fittings can be pressed using the F-contour as well as the TH-contour – using all conventional and certified pressing tools. A clear advantage for the installer, who, in most cases, does not need to purchase new tools.

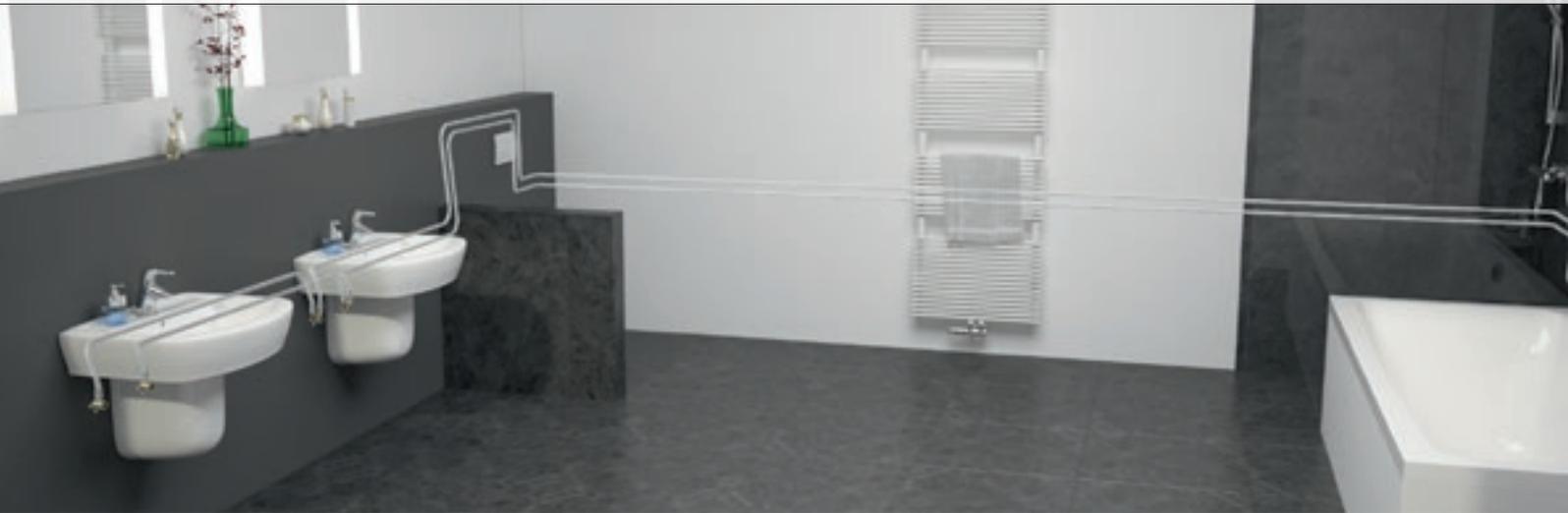


F pressing contour:
FRÄNKISCHE Rohrwerke



TH pressing contour:
various manufacturers





Future-proof quality

Enjoy greater flow rate

alpeX-duo XS is reliable in every way! With up to 30 percent larger cross-sectional surface as compared with conventional radial press fittings for multilayer composite pipes, lower pressure loss is achieved, and large inside diameter of the pipes makes

efficient and slim installation possible. Optimal dimensioning of pipe systems during planning, high-quality materials and responsible system operators are the best prerequisites for hygienically impeccable drinking water installations.



PPSU – high-performance plastic

Polyphenylsulfone (PPSU) stands for hygienic and physiological safety. The material boasts optimum resistance to hydrolysis and chemicals, even during long-term exposure to high temperatures. High impact resistance is also of particular advantage at the construction site.

CW724R – lead-free premium brass

Our brass material is both dezincification-resistant and lead-free. Due to this, compliance with all requirements of the REACH Regulation and the EU Drinking Water Directive is guaranteed. Thanks to our brass, you are on the safe side whenever brass is required.

PPSU and CW724R – for lead-free and hygienically impeccable installations with alpeX-duo XS!

Material quality

					
UBA TrinkwV Complies with 4MS Composition List of accepted metallic materials	✓	✓	✓	✓	✓
Dezincification-resistant	✓	✓	✓	✓	✗
	✓	✓	✗	✗	✗
Lead content	0 %	≤ 0,1 %	≤ 1,6 %	≤ 3,0 %	≤ 2,2 %



Compatible systems

alpex-plus

Innovative push-fit fitting in dimensions from 16 to 26 mm with stainless steel sleeve

- Optical indicator for verifying correct positioning
- Ideal for confined construction site situations
- Easy to insulate due to its slim design
- Time and cost saving due to fewer processing steps
- Universal fittings for drinking water and heating installations
- Fittings made of polyphenylsulfone (PPSU) / dezincification-resistant, lead-free brass CW724R



alpex L

Multilayer composite pipe system in large dimensions from 40 to 75 mm for drinking water and heating installations

- With leak function
- Large inspection hole for verifying correct positioning
- Ideal addition to alpex-duo XS





Benefits at a glance

The alpex-duo XS system is extremely durable and convincing due to its high load capacity and hygienic safety. All flow-optimised pipes and fittings can be

installed in a space-saving manner, are easy to insulate and resistant to hot water of up to 95 °C. Utmost user-friendliness and efficient operation

coupled with quality and highest possible safety – these are the goals we pursue and guarantee with our ongoing practice-oriented further developments.



30 % LARGER
CROSS-SECTION



PRESS JAW
FLEXIBILITY



HYGIENICALLY SOUND



COMPLIANCE WITH
GERMAN ENVIRONMENT
AGENCY / DRINKING
WATER ORDINANCE



95 °C

HIGH CONTINUOUS
OPERATING
TEMPERATURE



LEAK FUNCTION



SUPERIOR
MATERIAL QUALITY



DURABILITY



SYSTEM
COMPATIBILITY



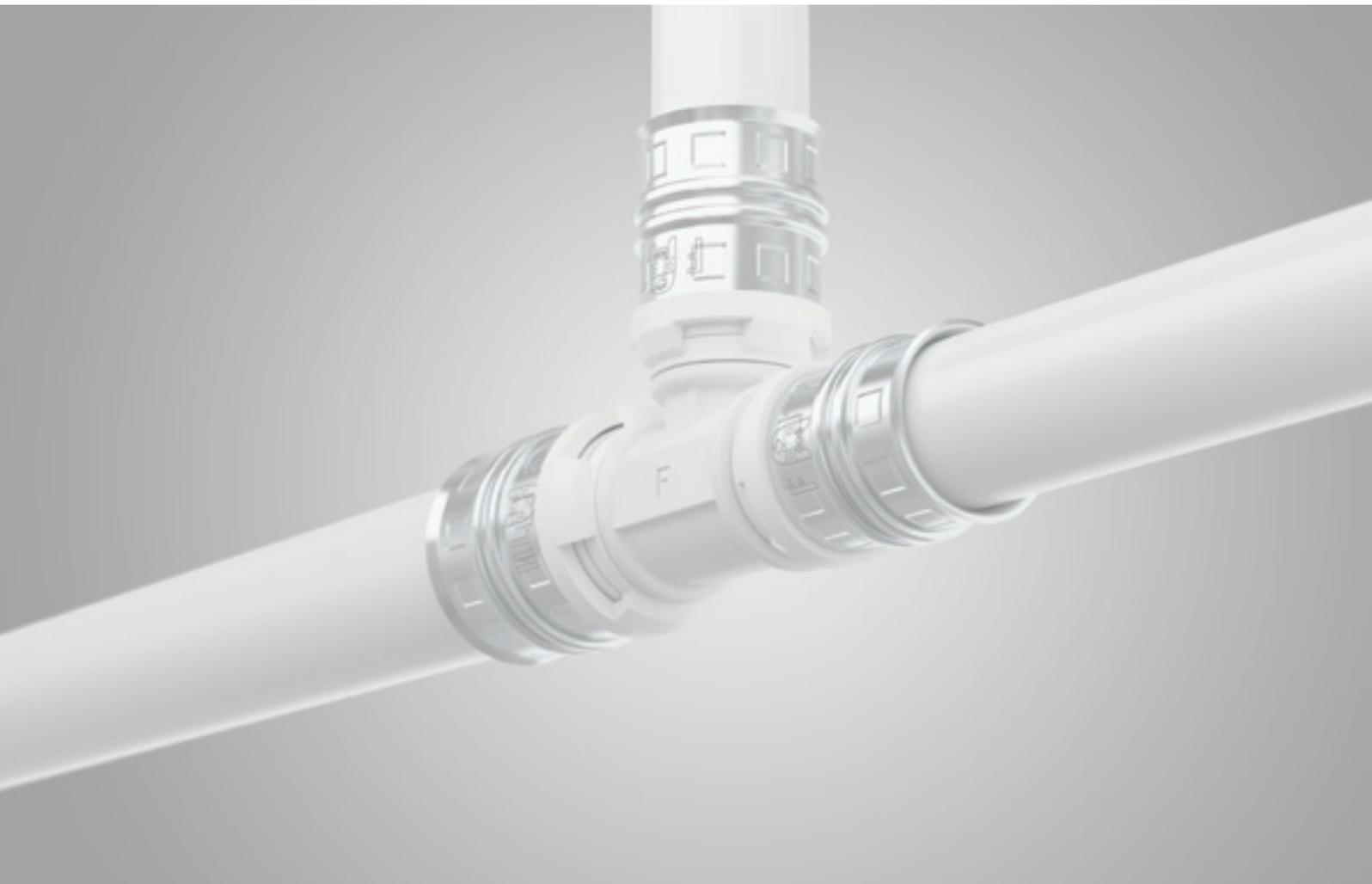
100 % IMPERMEABLE
TO OXYGEN



INCRUSTATION-
FREE



IDEAL WALL THICKNESS



FRÄNKISCHE

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