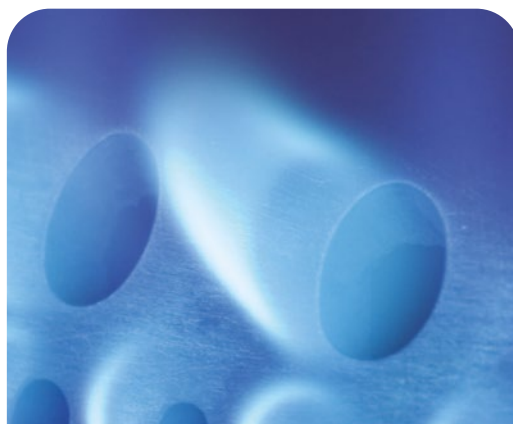




**SANHA**  
a perfect fit

Please ask for our  
complete catalogue!



**Piping systems for all applications**  
**Safe - reliable - flexible**

[www.sanha.com](http://www.sanha.com)

## Success needs responsibility

SANHA® is today, with many decades of market experience, is one Europe's leading manufacturers of piping systems and has been a family-owned business since it was founded in 1964. The product range comprises around 8,500 products made of copper and copper alloys, stainless steel, carbon steel and plastic, which are used in the fields of heating, gas, refrigeration and air-conditioning, solar, fire protection, compressed air and many other and many other applications. The product ranges are manufactured at four locations in Europe according to the highest quality standards. Practical, easy to install and reliable products, a comprehensive service, an active sustainability strategy and a clear commitment to the three tier distribution channel via wholesalers and specialist trade our success factors.

## Good reasons for SANHA®

### Planning service, BIM

A central component of our services is the SANHA® planning service. According to your specifications, we carry out all the necessary calculations, draw up plans for a professional, safe and reliable installation and provide you with the corresponding recommendations right down to the last T-piece at the same time. The planning also includes also a hydraulic balancing of the heating system.

All data is available in Planca Nova and BIM Revit, and our planning can also be done in these formats.

### Digitalisation in concrete terms

From EDI and IDS, from ETIM to Open Masterdata and UGL - we help trade and wholesalers with up-to-date data. In addition, with our webshop we offer a modern, secure and convenient ordering and payment option.

### Broad and deep range

The SANHA® product range includes all standard installation materials such as copper and copper alloys stainless steel, carbon steel and PEX / PE-RT, through to lead-free silicon bronze. For pressing, soldering, welding, screwing or plugging. All common dimensions from 6 mm to 168.3 mm or from 1/8" to 4" and numerous special special shapes and reductions leave nothing to be desired.

### Fire & sound protection

With SANHA® you have the best possible solution in terms of fire and sound protection – even in confined spaces.

### Material-neutral advice

SANHA® offers all materials and all connection techniques – an elementary prerequisite for neutral advice. In this way, you always get the ideal solution for your application.

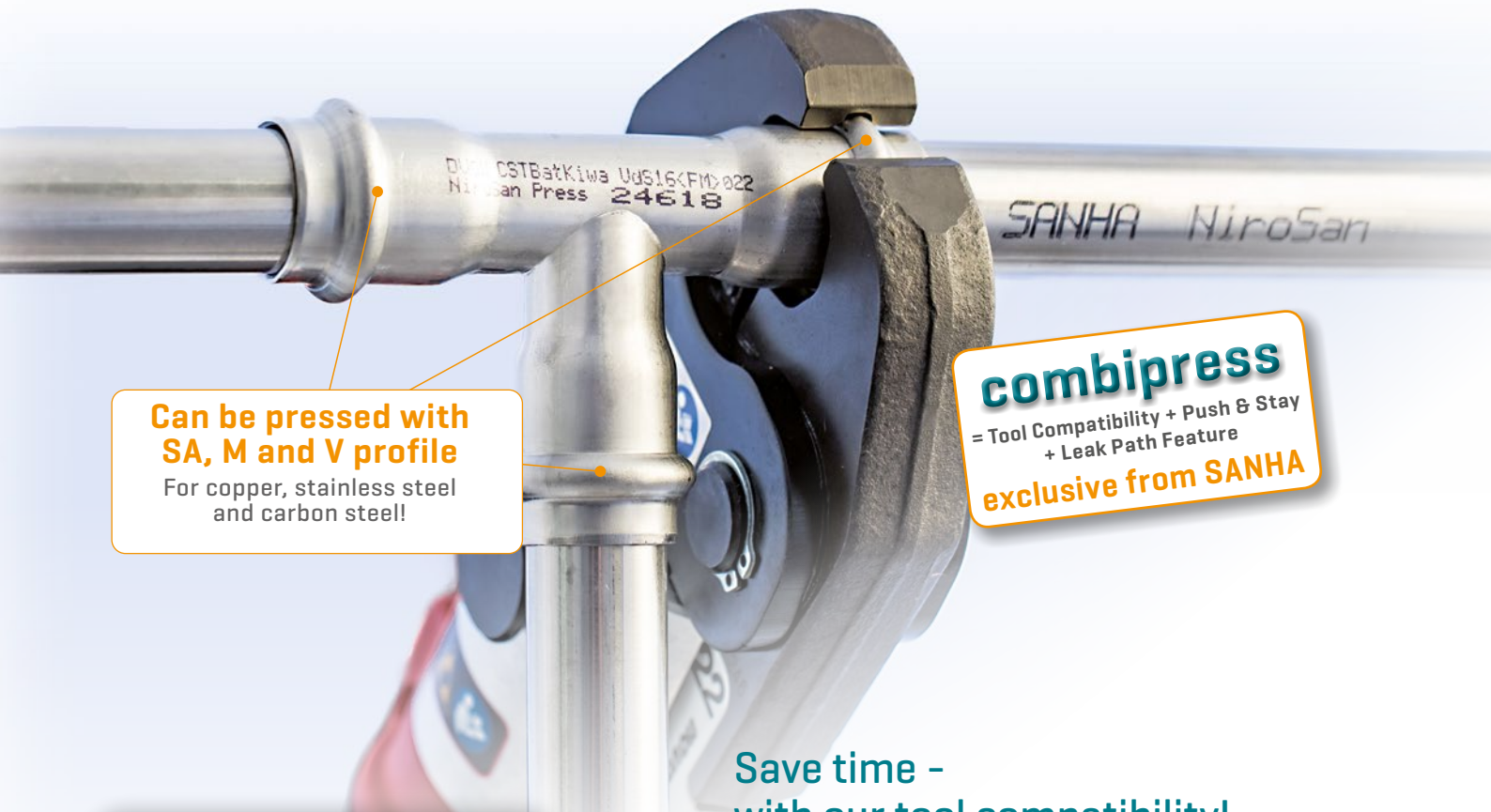
### Certified safety

SANHA® has all relevant national and international approvals and certificates. With this you are on the safe side.

### Active CSR policy

Quality does not only mean good products. Sustainable production and organisation are just as important. It goes without saying that all our locations are ISO-certified. Also, a large part of our raw material comes from recycled materials. In our buildings and in production we use renewable energies such as photovoltaics and energy-saving LED lighting.

Find out more about this topic at [www.sanha.com](http://www.sanha.com).



### Can be pressed with SA, M and V profile

For copper, stainless steel and carbon steel!

### combipress

= Tool Compatibility + Push & Stay + Leak Path Feature

exclusive from SANHA

#### Facts and figures

- Founded in 1964
- Owner-operated family enterprise
- 8,500 different products
- More than 70% in-house production
- Four production sites, including own pipe factory
- Sales activities in 40 countries
- Approx 650 employees
- Many patents and trademarks
- Fully certified in accordance with ISO 9001: 2008
- More than 200 international product certifications
- Three fully equipped training centres

## Save time - with our tool compatibility!

#### SANHA tool compatibility

- Lower costs because no new tools are needed
- Greater safety because no press fault or malfunction can occur due to wrong tool
- Greater flexibility because all tools can be used
- Faster installation through simultaneous work
- Please visit [www.sanha.com/en/unique-advantages/planning-service/](http://www.sanha.com/en/unique-advantages/planning-service/) for more information on the prerequisites

#### Push & Stay – slide and grip

- Fast and easy pre-assembly and alignment before crimping
- Fitting securely grips the pipe without slipping off

#### Leak path feature

- Connections visibly leak if un-pressed (please refer to our "Leak Path" brochure, which can be downloaded from our website)
- Increased safety as un-pressed or incorrect connections identified

Find out more at [www.sanha.co.uk](http://www.sanha.co.uk)

## Premium stainless steel NiroSan®

NiroSan® pipes and fittings are made from AISI 316L. This makes them very reliable and corrosion-resistant. Multiple sealing rings and pipes make for a very flexible product family that is suited to a multitude of applications, ranging from domestic to industrial, from drinking water to gas, solar and many more.

### SANHA tool compatibility

≤ 54 mm: original SA-, V- and M contours  
> 54 mm: original SA and M contours  
More info at [www.sanha.co.uk](http://www.sanha.co.uk)



	NiroSan®	NiroSan® Gas	NiroSan® Industry	NiroSan® SF
Dimension	15 – 168.3 mm	15 – 168.3 mm	15 – 168.3 mm	15 – 168.3 mm
Series	9000	17000	18000	19000
O ring	EPDM	HNBR	FKM	FKM
Operating temperature	– 30 °C – + 120 °C	– 20 °C – + 70 °C	– 20 °C – + 160 °C (depending on medium)	– 20 °C – + 160 °C (depending on medium)
Application	Drinking water Heating Rain water Solar Compressed air Extinguishing Sprinklers Inert gases Cooling water Ship building Technical gases Glycol	Natural gas, LNG (< PN5) Flammable gases	Heating Rain water Solar Compressed air Extinguishing Sprinklers Inert gases Cooling water Ship building Technical gases Low pressure steam systems* District heating*	silicon-free applications

### Operating conditions

Water and aqueous solutions	<b>d ≤ 22 mm   40 bar · d = 28–35 mm   25 bar · d = 42–168.3 mm   16 bar</b>
Technical gases non-toxic, non-flammable	<b>16 bar</b>
Flammable gases DVGW-G 260	<b>5 bar</b>

\* Depending on temperature and pressure - please contact our Technical Support at 01628 819245.

## SANHA stainless steel pipes

### NiroSan® [Series 9000]

- TIG welded, annealed
- Material 1.4404 / 316L
- less carbon, MO content of ≥ 2.3 % for better corrosion resistance
- compliant with BS EN 10312
- Marking in black

### NiroSan®-Eco [Series 9600]

- as series 9000
- Wall thickness optimised

### NiroSan®-F [Series 9700]

- TIG welded, pickled for higher corrosion resistance, nickel-free
- Material 1.4521 acc. to BS EN 10088
- produced acc. to BS EN 10312
- Marking with black letters and continuous green stripe

## For heating and cooling NiroTherm®

The fittings and pipes are produced from the material 1.4301 (AISI 304). Due to the well-known corrosion resistance of stainless steel, NiroTherm® offers installers a real alternative compared to conventional steels when it comes to closed systems in humid atmospheres such as within the screed. Since it needs considerably less isolation against humidity, the installation is faster and labour costs accordingly lower.

**SANHA tool compatibility**  
 ≤ 54 mm: original SA-, V- and M contours  
 > 54 mm: original SA and M contours  
 More info at [www.sanha.co.uk](http://www.sanha.co.uk)



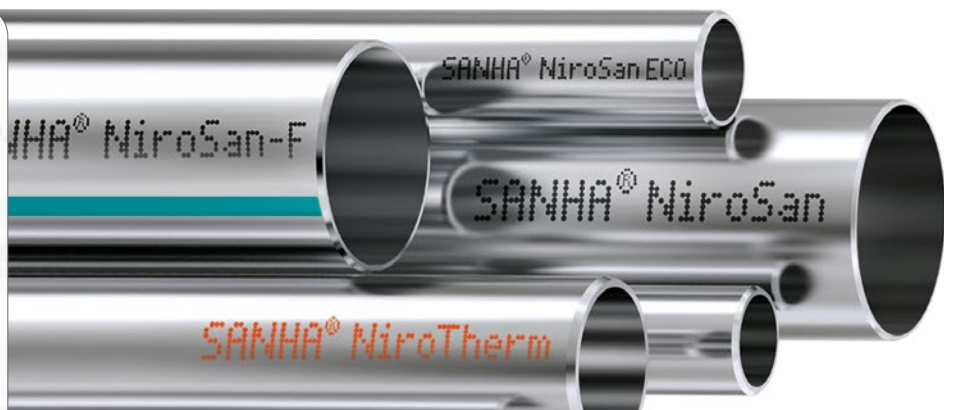
**combipress**  
 = Tool Compatibility + Push & Stay  
 + Leak Path Feature  
 exclusive from SANHA

NiroTherm®	NiroTherm® Industrie
15 – 168.3 mm	15 – 168.3 mm
91000	98000
EPDM	FKM
- 30 °C – + 120 °C	- 20 °C – + 160 °C (depending on medium)
Heating (open & closed) Cooling (open & closed) Compressed air (up to oil class 5 (< 25 mg/m³)) Glycol	Industrial systems Compressed air (all oil classes) Glycol Solar
16 bar	
16 bar	



### NiroTherm® [Series 9100]

- TIG welded, annealed for higher corrosion resistance
- Wall thickness optimised
- Material 1.4301 acc. to BS EN 10088
- Marking in red
- See national requirements for drinking water



## An allrounder SANHA®-Press / PURAPRESS®

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
exclusive from SANHA

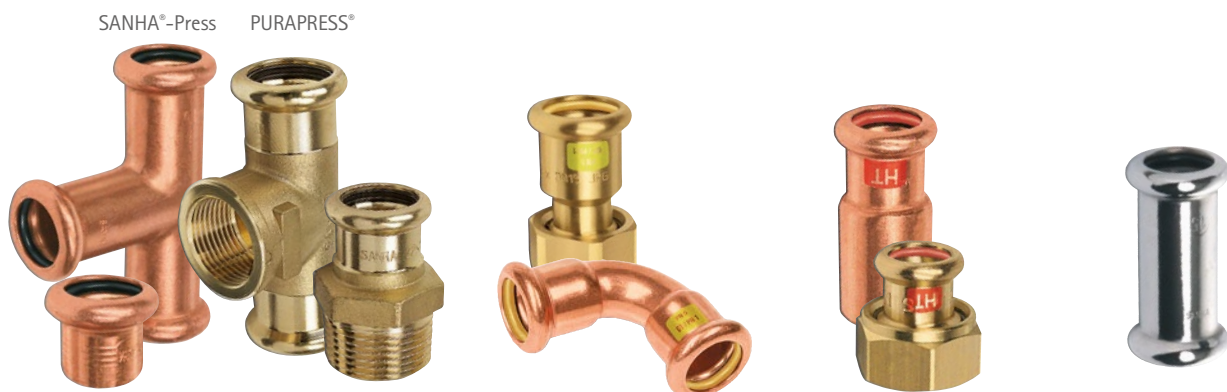
In the field of copper press and transition fittings, we offer various series: Our high-quality SANHA®-Press system fittings made of pure copper (for copper pipes according to EN 1057) are suitable for many applications in domestic engineering. Especially for the drinking water sector, the PURAPRESS® series of premium transition fittings made of lead-free silicon bronze CuSi is a very attractive solution for lead-free drinking water installations. This offers installers additional safety against any liability claims. More, building owners and renovators increasingly demand not just safe but clean and sustainable buildings. Ideally suited in combination with copper and NiroSan® stainless steel pipes!

**SANHA tool compatibility**  
≤ 54 mm: original SA-, V- and M contours  
> 54 mm: original SA and M contours  
More info at [www.sanha.co.uk](http://www.sanha.co.uk)



	SANHA®-Press PURAPRESS®	SANHA®-Press Gas	SANHA®-Press Solar	SANHA®-Press Chrom
Dimension	12 – 108 mm	12 – 54 mm	12 – 108 mm	12 – 28 mm
Series	6000 + 8000	10000 + 11000	12000 + 13000	16000
O ring	EPDM (Black)	HNBR (Yellow)	FKM (Red)	EPDM (Black)
Operating temperature	– 30 °C – + 120 °C	– 20 °C – + 75 °C	– 20 °C – + 160 °C (depends on medium)	– 30 °C – + 120 °C (depends on medium)
Application	Drinking water Heating Rain water Solar Compressed air Extinguishing Sprinklers Inert gases Cooling water Ship building Glycol	Natural gas, LNG (< PN5)	Solar Compressed air Inert gases Cooling water Low pressure steam District heating Fuel oil Diesel Glycol	Heating Rain water Solar Compressed air Inert gases
<b>Operating conditions</b>				
Water and aqueous solutions	16 bar		16 bar	16 bar
Technical gases non-toxic, non-flammable	16 bar	16 bar	16 bar	16 bar
Flammable gases DVGW-G 260		16 bar		

\* Depending on temperature and pressure - please contact our Technical Support at 01628 819245.



**NEW**

## Welding is out SANHA® Heavy Steel Press

The press fittings of our new system offer a safe and cost-effective alternative to welding for the connection of black carbon steel pipes. This means that construction projects are finished faster and more economically. Especially in places that are difficult to access our new system provides an excellent solution. The pipe wall thicknesses comply with EN 10220 and 10255.



## Carbon steel: For closed systems SANHA®-Therm

The SANHA®-Therm installation system consists of tried and trusted SANHA®-Therm press fittings from carbon steel with a black sealing ring from EPDM (ethylene propylene diene monomer) and SANHA®-Therm carbon steel pipes according to EN 10305-3.

**SANHA tool compatibility**

≤ 54 mm: original SA-, V- and M contours  
> 54 mm: original SA and M contours  
More info at [www.sanha.co.uk](http://www.sanha.co.uk)

SANHA® Heavy Steel Press 1/2" – 2"	SANHA® Heavy Steel Press Gas 1/2" – 2"	SANHA®-Therm 12 – 108 mm	SANHA®-Therm Industry 12 – 108 mm
70000	71000	24000	28000
EPDM (Black)	HNBR (Yellow)	EPDM (Black)	FKM (Red)
-30 °C – +120 °C	-20 °C – +80 °C	-30 °C – +120 °C	-30 °C – +160 °C (depends on medium)
Cooling water Sprinklers Low pressure steam Compressed air (trocken) Technical gases Heating (closed circuits)	Natural gas Propane Fuel oil Mineral oil Compressed air Nitrogen Heating (closed circuits)	Heating (closed circuits - no DZ pipes) Solar Cooling water* Compressed air (oil free) Extinguishing (no DZ pipes) Glycol	Solar Cooling water* Compressed air (independent of the oil class) Glycol
16 bar		16 bar	
16 bar	16 bar	16 bar	16 bar
	16 bar		16 bar

**combipress**  
= Tool Compatibility + Push & Stay  
+ Leak Path Feature  
exclusive from SANHA



## Plastic power 3fit®-Press and 3fit®-Push

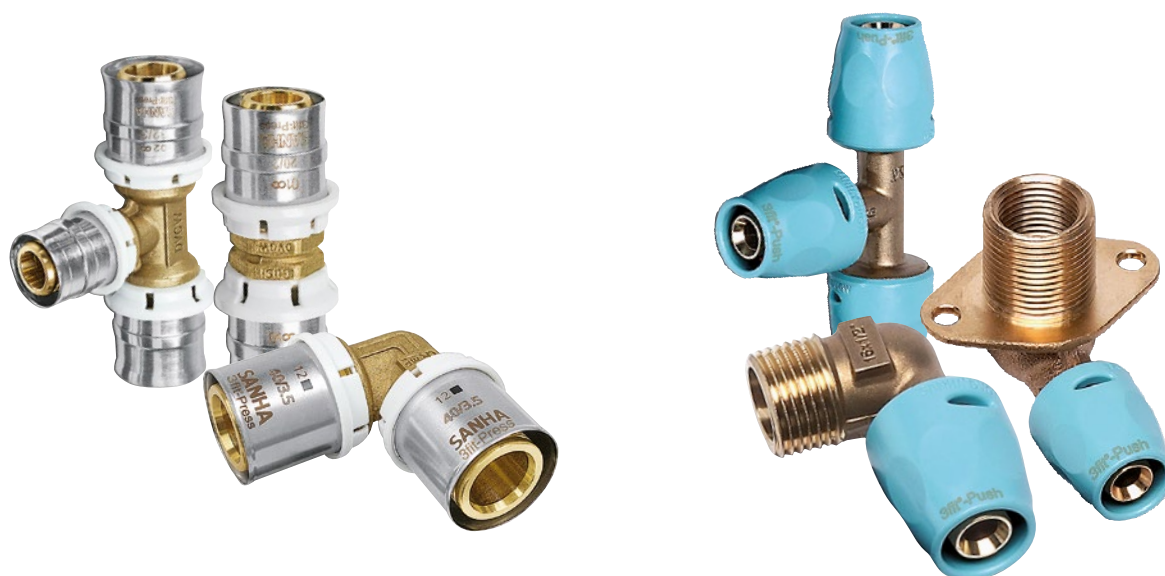
With the press or push-fit system 3fit® for Multifit® multi-layer composite pipes many challenges can be mastered very flexibly. Especially in drinking water distribution the lead-free material CuSi offers the highest possible certainty that the lead limits are not exceeded. The system of fittings and MLCP is also ideal for underfloor heating.

**3fit®-Press** pbfree system press fittings are equipped with several viewing windows. This gives installers full control at all times: The correct insertion depth is reached when the the white Multifit® pipe is visible in the windows.

**3fit®-Push** system fittings offer an equally safe and reliable connection as press fittings (lock function) through their particularly ingenious construction. The connection can be made quickly and and requires no tools. This eliminates any costs for the purchase, maintenance or repair of the pressing machines.



	3fit®-Press	3fit®-Push
Dimension	16 – 63 mm	16 – 20 mm
Series	25000 (Pb-free)	23000
O ring	EPDM (Black)	EPDM (Black)
Application	Drinking water Heating Rain water Closed cooling systems Compressed air	Drinking water Heating Rain water Closed cooling systems
Operating conditions		
Water and aqueous solutions	+ 25 °C   16 bar / + 50 °C   13 bar / + 70 °C   10 bar	



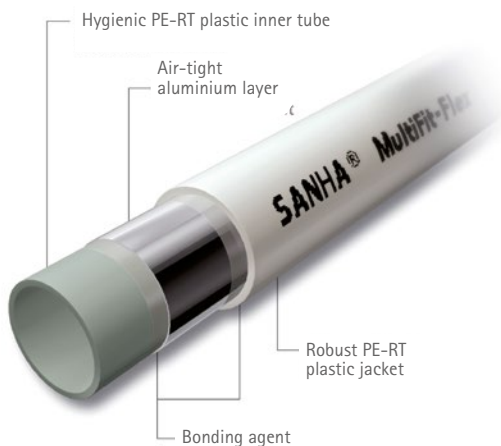


## Multilayer composite pipes

# MultiFit® system pipes

### MultiFit®-Flex

MultiFit®-Flex system pipes are flexible, easy to install, long lasting and absolutely reliable. The 5-layer composite pipes are made of a hygienic PE-RT plastic inner pipe, a 100 % oxygen-impermeable, butt-welded aluminium layer and a robust PE-RT plastic jacket, connected by bonding agents. MultiFit-Flex pipes are ideal for underfloor heating distribution, drinking water and heating installations.



### MultiFit®-PEX

MultiFit®-PEX plastic composite pipes of radiation crosslinked, oxygen-impermeable PE-Xc are the optimum solution, in particular for underfloor heating or radiator connection lines in screed as well as for cooling systems. The 5-layer pipes are distinguished by their extraordinary flexibility and thus by their very high ease of installation. The basic material of high-density polyethylene is physically crosslinked by electron radiation without additives, which ensures high temperature-resistance with maximum flexibility and is therefore highly installation-friendly. The plastic oxygen barrier film (EVOH) makes the pipes oxygen-impermeable in accordance with DIN 4726.



### MultiFit®-PE-RT

Our MultiFit®-PE-RT pipe system consist of the same material as our MultiFit®-Flex pipes except that the 100 % oxygen-tight aluminium layer has been exchanged for an EVOH layer. This makes MultiFit®-PE-RT systems the perfect economically sensible alternative for all applications which need no special corrosion protection. SANHA MultiFit®-PE-RT pipes are available in 16 x 2 mm and a coil of 400 m.

### Technical data of system pipes

d x s in mm	S <sub>Al layer</sub> in mm	Weight of empty MultiFit®-Flex system pipe in kg/m	Weight of water-filled pipe in kg/m	Water content in l/m	Mounting distance L1 / L2 in m	
					Cold water	Warm water
<b>MultiFit®-Flex</b>						
16 x 2,0	0,20	0,105	0,218	0,113	0,60	0,25
20 x 2,0	0,25	0,140	0,341	0,201	0,70	0,30
26 x 3,0	0,35	0,260	0,574	0,314	0,80	0,35
32 x 3,0	0,50	0,350	0,881	0,531	0,90	0,40
40 x 3,5	0,50	0,500	1,355	0,855	1,10	0,50
50 x 4,0	0,60	0,700	2,085	1,385	1,25	0,60
63 x 4,5	0,80	1,100	3,390	2,290	1,40	0,75
<b>MultiFit®-PEX and MultiFit®-PE-RT</b>						
16 x 2,0	-	0,091	0,218	0,113	0,60	0,25
<b>MultiFit®-PEX</b>						
20 x 2,0	-	0,117	0,318	0,201	0,70	0,30

## lead-free & sustainable PURAFIT®

PURAFIT® threaded fittings are now made from lead-free silicon bronze. The copper alloy used for this is suitable for use in drinking water installations, as unlike traditional brasses, it cannot contribute to the lead content in water, therefore assisting the installer in meeting the stringent lead level demanded by the Drinking Water Directive. PURAFIT® threaded fittings in lead-free silicon bronze, tested and certified according to DVGW GW 6, and conforms to EN 1254. Suitable for all standard commercial pipes according to EN and for many applications in the sanitation and heating technology.



## Proven quality Threaded fittings

SANHA® - threaded fittings made of brass (material No. CW617N, formerly 2.0402) are suitable for use in heating water in heating water, extinguishing water systems, fully and partially desalinated water, rain-water utilisation systems and/or water-glycol and/or water-glycol mixtures (water with antifreeze additive). The material is ideal for machining and for forming by hot pressing and forging. SANHA® threaded fittings made of brass comply with the quality and testing requirements of the German „Gütegemeinschaft Messing Sanitär“ and are certified with the RAL-GZ 643 mark of quality.



	PURAFIT®	Threaded fittings
Dimension	1/8" – 3"	1/8" – 2 1/2"
Operating temperature	3000 –20 °C – +225 °C	s.b.
Anwendung	Drinking water Heating Flammable gases Rainwater Solar systems Compressed air Fire extinguishing system Sprinkler systems Inert gases Cooling water piping	Rain water Inert gases Cooling water Heating
Operating conditions		
Water and aqueous solutions	1/8"...3/4"   25 bar ≤ 120 °C · 16 bar ≤ 225 °C 1"...3"   16 bar ≤ 120 °C · 6 bar ≤ 225 °C	10 bar ≤ 90 °C
Technical gases non-toxic, non-flammable	16 bar (depending on the area of application)	
Flammable gases DVGW-G 260	5 bar	



## Heavyweight Malleable iron fittings +S+

SANHA®-threaded fittings made of malleable cast iron (black and galvanised) are manufactured according to EN 10242. These fittings are equipped with connection threads according to EN 10226 or ISO 7/1. Due to their high vibration and shock resistance, these high-quality and extremely stable moulded malleable cast iron fittings can be used even under severe conditions.

## Proven quality SA capillary solder fittings

Solder and transition fittings in copper and copper alloy for copper pipes according to EN 1057. Tested according to BE EN 1254, BS 864-2, and BSI certified to BS 864-2. The SANHA® capillary solder fittings are manufactured from copper, Cu-DHP, CW024A (moulded parts) and copper alloy CC499K (threaded parts, cast parts) and fulfil the requirements of BS EN 1254. Certified according to DVGW GW 8.

## 130 bar pressure SANHA® RefHP

In transcritical cooling systems, environmentally solutions are becoming more and more important. more and more important, for example through the use of ecologically refrigerants such as CO2 (R744). (R744). Higher operating pressures of up to 130 bar are the result. SANHA RefHP high-pressure fittings were developed on the basis of our over 50 years of experience in the field of solder fittings. RefHP fittings are compatible with all four CuFe pipe types available on the market, offering a high degree of flexibility: KME - CL12, HALCOR - TALOS XS, Mueller - XHP, Wieland - K65.



Malleable iron fittings +S+ 1/8" – 4"	SA [Soft- / Hard soldering] 6 – 108 mm / 6 – 159 mm	RefHP – 2 5/8"
	4000 / 5000	29000
– 30 °C – + 300 °C	– 30 °C – + 110 °C	– 196 °C – + 150 °C
Drinking water (restricted) Heating Gas Rain water Solar Compressed air Fire extinguishing Sprinkler systems Inert gases Cooling water	Drinking water Heating Medical gases Gas installations Rainwater Solar systems Compressed air Fire extinguishing system Sprinkler systems Inert gases Cooling water piping	Cooling Refrigeration Air conditioning Water Technical gases Flammable gases Compressed air  Further applications on request
25 bar 20 – 120 °C (Interpolierte Werte von 120 – 300 °C) · 20 bar ≤ 300 °C	6 – 28 mm: 45 bar ≤ 30 °C · 25 bar ≤ 65 °C · 16 bar ≤ 110 °C 35 – 54 mm: 25 bar bis 30 °C · 16 bar ≤ 65 °C · 10 bar ≤ 110 °C 64 – 108 mm: 16 bar bis 30 °C · 16 bar ≤ 65 °C · 10 bar ≤ 110 °C	130 bar
1 bar		130 bar



responsible  
sustainable  
fair.

## With safety on your side

### SANHA offers genuine advantages



As a family enterprise for over 50 years we have been observing a simple principle: every pipe and every fitting must give the customer added value in terms of safety and practical use at a fair price. This is our mission and, at the same time, the best recommendation from our satisfied customers.

As a specialist for pipeline systems we offer a unique breadth and depth of products for all of the usual connection techniques and applications from a one stop shop. Tried and tested installation techniques are as much a part of our program as practice-oriented innovations.

**And that's why: SANHA. Always a perfect fit.**

#### Your advantages:

**Always a perfect fit** Our customers are central to all our activities. As a family enterprise, SANHA highly values an active close and long term relationship with all our partners, from designers, installers, contractors and trading companies. With over fifty years of service, we are committed to close support of our customers, with a highly experience local and international technical service.

**Large product range** SANHA offers a wide material, product and dimension range, multiple connection methods, with significant expertise and experience – all from a one stop shop. SANHA, the pipeline specialist.

**Nationwide technical service** SANHA is pleased to offer a wide range of services from installation training, technical seminars, design advice, specifications and on site support as and when required.

**For what is yet to come** With an active CSR and sustainability strategy, we are here to protect the climate and the environment, promote sport and culture and respectful with our employees and partners.

