Fittings for multilayer pipe



# SAFE_PRESS

## Data sheet LINE 5T00 SAFE_PRESS

Multijaws press fittings with Leak Before Press system

GENERAL FITTINGS
YOUNIQUE · ITALIAN

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LINE 5T00

# Multijaws press fittings with LBP system

# SAFE_PRESS



## DESCRIPTION

Press fittings for multilayer pipe of line SAFE_PRESS are equipped with LEAK BEFORE PRESS (LBP) system to detect water leak when the fitting is not pressed. This allows the plumber to easily detect the improper installation and eventually react promptly. The “leak before press” function guarantees greater safety and time savings during installation.
Fittings are suitable for cold or hot water supply for sanitary or heating systems, and for any kind of sanitary installation such as domestic, commercial, industry and farming and with non-aggressive fluids.
The geometry of the fitting allows an excellent coupling between pipe and fitting after pressing and the plastic insulation ring windows allow to check the correct insertion of the pipe. Two O-rings guarantee the seal and reliability over time.
Fitting body is made of brass, while the sleeve is made of AISI 304 stainless steel.
Since the connecting type is irreversible (it is not possible to disassemble), it is possible to place the fittings concealed, taking care of protecting it from non-suitable materials.

Available on request in CW510L.

## ADVANTAGES

- “Leak Before Press” function for extra safety
- Multitool
- Plastic insulation ring to prevent electrolytic corrosion, and with windows to check the correct insertion of pipe
- Double O-Ring
- DVGW and OVGW certified
- Raw materials complying with UBA LIST

UNI EN 10226-1 threads (former ISO 7/1)

- Efficient installation: double wallplate elbow allows to make installations in series or rings for a better distribution and change of water
- Product traceability guaranteed by the date stamped on the body of the fitting

# FIELDS OF APPLICATION

| APPLICATIONS | | T. min. | T. max | T. of the system | Max. pressure |
|---|---|---|---|---|---|
| | drinking water | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | hot sanitary water | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | cooling | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | heating | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | floor heating | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | irrigation | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | compressed air | -20°C | +120°C | -20°C/+95°C | 10 bar |
| | -20°C: with the use of glycol in a maximum percentage of 30% | | | | |

# LEAK BEFORE PRESS



LBP system guarantees a fast and safe installation as if the fitting is not pressed the system shows the water leakage.
When the fitting is pressed correctly, the water circulates in the system and no leaks are observed. If, on the other hand, the fitting is not pressed, leaked water will be visible once it begins circulating in the system.
Thanks to LBP system the non-pressed joints are immediately visible, thus allowing a prompt and timely intervention reducing the possibility of errors or oversights that can affect the tightness of the system over time.

# COLOURED PLASTIC INSULATION RINGS

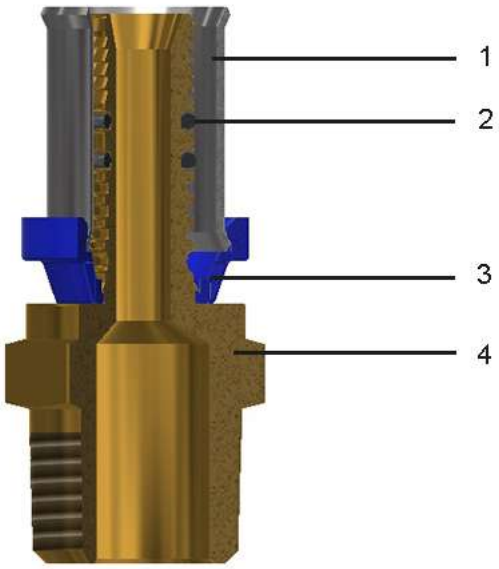



The 16x2.25 and 20x2.50 sizes have rings of different colours to avoid confusion with the same diameters but with a thickness of 2.0.
16x2.25: green ring
20x2.50: orange ring

# PRESSING PROFILES

| ∅ | TH | H | U |
|---|---|---|---|
| 14x2.0 | TH | H | U |
| 16x2.0 | TH | H | U |
| 16x2.25 | TH | H | U |
| 18x2.0 | TH | H | U |
| 20x2.0 | TH | H | U |
| 20x2.25 | TH | H | U |
| 20x2.5 | TH | H | U |
| 25x2.5 | TH | H | U |
| 26x3.0 | TH | H | - |
| 32x3.0 | TH | H | U |
| 40x3.5 | TH | H | U |
| 50x4.0 | TH | H | U |
| 63x4.5 | TH | - | U |

## COMPONENTS AND MATERIALS




| LEGEND | | COMPONENTS | MATERIALS |
|---|---|---|---|
| | 1 | Sleeve | Stainless steel - AISI 304 |
| | 2 | O-Ring | Elastomer for drinking water |
| | 3 | Closing ring | Nylon |
| | 4 | Body | Brass CW617N - UNI EN 12165 |

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## REGULATIONS

• UNI EN ISO 21003-3
Fittings comply with UNI EN ISO 21003-3 law: “Multilayer piping systems for hot and cold water supply installations inside building”

• UNI EN 1254-8
Fittings comply with UNI EN 1254-8 law. Part 8: "Fittings with press ends for use with plastics and multilayer pipes".

• UNI EN 10226-1
Threads comply with UNI EN 10226-1 law: “Piping thread for coupling on the thread”.

• D.M. 174 (06/04/2004)
Raw materials used are of high quality and comply with the Ministerial Decree N°174 dated 06/04/2004 concerning the materials and the items used in fixed installations for water collection, treatment and supply.

• Comply with 4MS, UBA List (BC group), DIN 50930/6 Dir. 2011/65/UE, 6C attachment III (RhOSII). The UBA list will be gradually replaced and supplemented by the new European system, the European Positive List (EU Positive List), managed by ECHA, although UBA-certified products may continue to be used in accordance with the transitional deadlines set out in the European Drinking Water Directive (DWD 2020/2184).

• Comply with DVGW W534 - ISO21003

• Comply with KIWA ATA - ISO21003

# CERTIFICATIONS

| COUNTRY | CERTIFICATION | COUNTRY | CERTIFICATION |
|---|---|---|---|
|  |  |  |  |
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# ASSEMBLY INSTRUCTIONS

Cut the pipe perpendicularly to its axis using an appropriate pipe-cutting tool [code TT500.00].



Calibrate the pipe using special reamer [code CS50.00, MA00.90], removing possible residual chips.
The pipe edge should be trimmed throughout the circumference.



Insert the pipe into the pipe holder until the pipe stops at the plastic ring.
Check that the pipe is properly inserted and visible from all inspection windows.



Place the pressing jaws and operate the electric button of the pressing machine.
An improper placing of the jaws could damage the proper system functioning.



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