Plumbing, heating, air-conditioning

Jansen services installations range of products
JANSEN PRIMA, EVO & FUTURA
The clever installation systems

A fitting combined with various pipe types covers a broad spectrum of use in the field of services installations. Drinking water and heating systems can be installed with the Jansen services installations range just as well as underfloor heating systems and cooling ceilings. For the first time there is a range in Switzerland that is used for the heating and sanitary fields in equal measure.

Drinking water installations
With the JANSEN PRIMA installation system inlays, surface-mounted and under-plaster installations as well as rising mains and basement sub-distribution systems can be realised.

Heating installations
The JANSEN EVO installation system is excellently suited to all heat distribution and connection lines. For panel heating we recommend the JANSEN FUTURA composite pipes.

Thermoactive installations
Thermoactive components (TABS) as well as all risers and distribution lines can also be implemented with the pipe range by Jansen and the Comisa Press System.
Guaranteed safety
Maximum flexibility

1. Fitting contour
   The special fitting contour allows repositioning of the pipe after pressing for a quick and secure installation.

2. Recessed O-rings
   Thanks to the recessing there is no risk of damage to the O-rings when connecting the pipe and fitting.

3. Spacer made from plastic
   Prevents contact corrosion between the individual metals brass, chrome steel and aluminium. Furthermore, the spacer eases the positioning of the pressing jaw.

4. Chrome steel sleeve
   With insertion depth indicator for a quick and secure installation.

5. PE-RT aluminium composite pipe
6. PE-RT 5-layer pipe with EVOH
7. Pre-insulated pipes
8. PB3-layer pipe with EVOH
9. Pipes in protective conduit
Application
Drinking water and heating installations, underfloor and wall heating systems, and cooling ceilings.

Drinking water installations
The pipes can be used for surface-mounted and under-plaster installations, rising mains and distribution.

Heating installations
The pipes are suitable for all types of heat distribution, radiator connections and underfloor heating, as well as for cooling ceilings and wall heating systems.

Advantages
- Certified for drinking water application
- Suitable for both high and low temperature range
- Pipe classification facilitates allocation to the correct application area.

Product range

<table>
<thead>
<tr>
<th>Type of pipe</th>
<th>Options</th>
<th>Dimensions</th>
<th>Standards/approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-RT multilayer pipe with aluminium</td>
<td>Straight lengths 16 - 63 mm</td>
<td>16 - 63 mm</td>
<td>EN ISO 21003, DVGW DW-8236BN0125</td>
</tr>
<tr>
<td></td>
<td>Coils 16 - 32 mm</td>
<td></td>
<td>DVGW 1410-6325, SKZ-A349</td>
</tr>
<tr>
<td></td>
<td>Coils, with external protection 16 - 32 mm</td>
<td></td>
<td>KIWA K40804/04</td>
</tr>
<tr>
<td></td>
<td>Coils, in conduit 16 and 20 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EVO
High temperature range

The EVO pipe range covers all heating and cooling systems.

Application
Heating installations, underfloor and wall heating systems as well as cooling ceilings.

Heating installations
The pipes are suitable for all types of heat distribution, radiator connections and underfloor heating, as well as for cooling ceilings and wall heating systems.

Advantages
- Suitable for both high and low temperature range
- Pipe classification facilitates allocation to the correct application area.

Product range

<table>
<thead>
<tr>
<th>Type of pipe</th>
<th>Options</th>
<th>Dimensions</th>
<th>Standards/approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-RT multilayer pipe with aluminium</td>
<td>Straight lengths Coils Coils, pre-insulated</td>
<td>16-20 mm 12-26 mm 14-26 mm</td>
<td>ISO 10508 SKZ-A349</td>
</tr>
<tr>
<td>PE-RT 5-layer pipe</td>
<td>Coils</td>
<td>8-32 mm</td>
<td>ISO 22391 SKZ-A325</td>
</tr>
<tr>
<td>PB 3-layer pipe</td>
<td>Coils</td>
<td>8-20 mm</td>
<td>ISO 15876 SKZ-A141</td>
</tr>
</tbody>
</table>
FUTURA
Low temperature range

The FUTURA pipe range covers heat distribution in the low temperature range.

Application
Underfloor and wall heating systems as well as cooling ceilings

Heating installations
Owing to their excellent soft bending properties, the pipes are suitable for underfloor and wall heating systems, as well as cooling ceilings. Of particular benefit is the low force required for installation.

Advantages
• Only for low temperature range
• Very soft
• Easy to install, low force required for installation
• Pipe classification facilitates allocation to the correct application area.

Product range

<table>
<thead>
<tr>
<th>Type of pipe</th>
<th>Options</th>
<th>Dimensions</th>
<th>Standards/approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE multilayer pipe with aluminium</td>
<td>Coils</td>
<td>16 mm</td>
<td>ISO 10508</td>
</tr>
<tr>
<td>PE 3-layer pipe</td>
<td>Coils</td>
<td>10 – 16 mm</td>
<td>EN ISO 15876, SKZ-A141</td>
</tr>
</tbody>
</table>
### Table from EN ISO 21003

<table>
<thead>
<tr>
<th>Application class</th>
<th>Design temperature $T_a$ °C</th>
<th>Operating pressure at $T_a$</th>
<th>Operating temperature $T_{\text{max}}$ °C</th>
<th>Operating pressure at $T_{\text{max}}$</th>
<th>Typical application area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>60</td>
<td>49</td>
<td>80</td>
<td>1</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hot water supply (60°C)</td>
</tr>
<tr>
<td>2</td>
<td>70</td>
<td>49</td>
<td>80</td>
<td>1</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hot water supply (70°C)</td>
</tr>
<tr>
<td>4</td>
<td>20 plus cumulative</td>
<td>2.5</td>
<td></td>
<td></td>
<td>Underfloor heating and low-temperature radiator connections</td>
</tr>
<tr>
<td>60</td>
<td>20 plus cumulative</td>
<td>14</td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>20 plus cumulative</td>
<td>14</td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>5</td>
<td>60 plus cumulative</td>
<td>25</td>
<td>90</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>High-temperature radiator connections</td>
</tr>
<tr>
<td></td>
<td>60 plus cumulative</td>
<td>25</td>
<td>90</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>80</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Installation and press check

Cutting of pipe
Calibration and deburring
Pipe calibration and end preparation
Installation of fitting
Visual check
Pressing with TH pressing jaws

Unpressed fitting
Unpressed fitting tested between 1 and 4.5 bar - not sealed
Pressed fitting tested at between 1 and 4.5 bar - sealed

The benefits of the installation systems

All from one source
You receive pipes, fittings and pressing tools from one source and in Jansen you have a contact or supplier for several applications.

Simple
Using a four-step process, it requires very little effort to securely, simply and quickly install the pipes and fittings.

Efficient
The fittings fit all pipe variants and are always pressed with the same pressing tool.

Versatile
Be it in the sanitary field, for radiator connections, underfloor heating, wall heating systems, cooling, compressed air or industrial installations - all applications can be covered with just one system.

Cost-effective
All installations can be realised with one system. Correspondingly, only one system has to be purchased, stored and administered. This saves significant process costs.

Clever
The sleeve made from chrome steel has an insertion depth indicator, which reduces installation time and increases safety. Thanks to the fitting geometry, the connections are not sealed when not crimped and sealed when crimped.

Practical
The protective conduits and insulation are available in the colours red and blue. This makes it almost impossible for the two to be mixed up on the building site and the installation is completed even more efficiently.

Long service life
Aluminium and plastic combined create a long-lasting and permanently secure system.

Safe
When connecting the pipe and fitting, the two O-rings are protected by the recessed positioning in the brass body. Thanks to the sophisticated fitting design, the pipe can also be safely repositioned and adjusted after pressing.

Swiss quality
All pipes are manufactured at our own production facilities in Switzerland. The in-house laboratory and quality management, the fully automatic production processes, as well as the checks by the SKZ plastic centre guarantee the highest Swiss quality.

Certified
The installation system is certified by SVGW and permitted for drinking water applications. It fulfils all hygiene and toxicological requirements. The classification of the operating conditions according to EN ISO 21003 guarantees a service life of 50 years.

Swiss quality
Cutting of pipe
Calibration and deburring
Pipe calibration and end preparation
Installation of fitting
Visual check
Pressing with TH pressing jaws

Unpressed fitting
Unpressed fitting tested between 1 and 4.5 bar - not sealed
Pressed fitting tested at between 1 and 4.5 bar - sealed