

SYSTEM **KAN-therm**

Steel

Traditional material
in modern technology



EN 20/01



SYSTEM KAN-therm Steel is an installation system consisting of pipes and fittings made of zinc-plated carbon steel with diameters range 12 up to 108 mm, which are connected by means of radial press technique.

Press technology allows for performing fast and tight joints even with large-diameter pipes and fitting. Tightness of connections in SYSTEM KAN-therm Steel provides a special O-Ring seal and a three-point "M" type crimping system.

Pipes and fittings in System KAN-therm Steel are made of low-grade stainless steel carbon. They are galvanized on the outside, which is a corrosion protection of the outer surface of the pipes and fittings.

Scope of Application:

- central heating installations in closed circuit (pressurized),
- chilled water installations,
- non-standard applications (after consultation with KAN's Technical Department),
- fire protection systems.

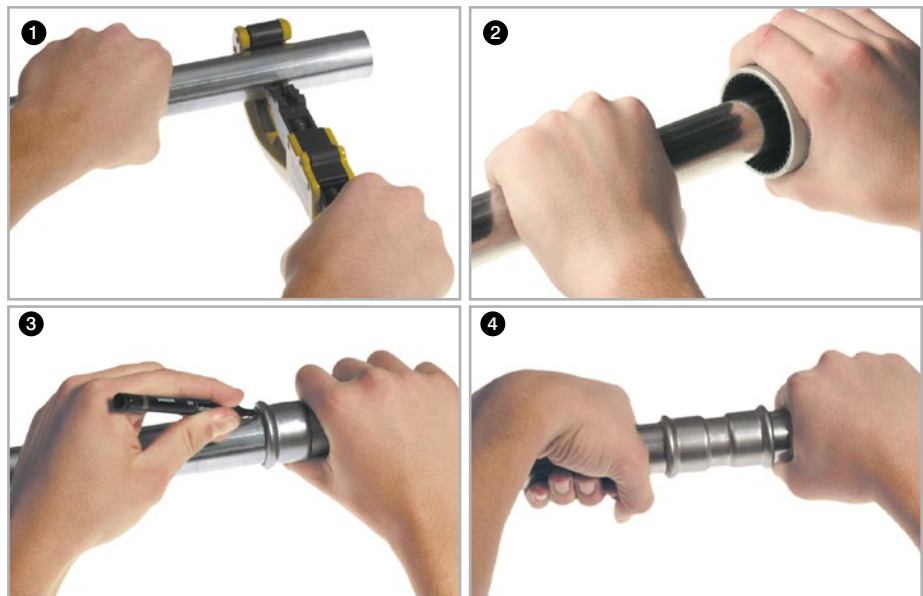
TECHNOLOGY OF SUCCESS



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ISO 9001

1. Pipe cutting using special rotary cutters - cut perpendicularly to the pipe axis.
2. Chamfering the external and internal edge of the pipe using special chamfers or files.
3. Marking the required pipe insertion depth - necessary for obtaining.
4. Insertion of the pipe into the fitting to the required depth.



Sealment

Tightness of connections in SYSTEM KAN-therm Steel provides a special O-Ring seal and a three-point "M" type crimping system. Depending on the required operating parameters for the system and the type of medium transported, fittings may be equipped with two types of O-rings:

O-ring name	Properties and operating parameters	Application
EPDM ethylene-propylene rubber	 <p>diameter range: 12-108 mm color: black max operating pressure: 16 bar operating temperature: -35°C to 135°C short-term: 150°C</p>	<p>potable water conditioned water (softened, decalcinated, distilled, with glycol) compressed air without oil</p>
FPM/Viton fluoride rubber	 <p>diameter range: 12-108 mm color: green max operating pressure: 16 bar operating temperature: -30°C to 200°C short-term: 230°C</p>	<p>solar installations (glycol) compressed air fuel oil vegetable fat engine fuels</p> <p>Notice: do not use in potable water and pure hot water installations</p>

System KAN-therm Inox fittings are, by standard, equipped with special O-rings. Depending on the required operating parameters for the system and the type of medium transported, fittings may be equipped with three types of O-rings: EPDM (factory-mounted), FPM/Viton (green – replaced by the client) and FPM/Viton (grey – replaced by the client).

Advantages of SYSTEM KAN-therm Steel

- fast and reliable installation of equipment without welding and screwing,
- wide range of diameters of pipes and fittings - up to 108 mm,
- wide range of operating temperatures from -35 °C up to 200 °C,
- resistance to high pressure, up to 16 bars,
- the possibility of combining with other KAN-therm systems,
- light weight pipes and fittings,
- high aesthetics of performed installation,
- high mechanic durability.

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