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Flexible Solutions in Pipe Laying for District Heating and Cooling

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Brugg Pipesystems
Brugg Pipesystems

- Part of the Brugg Group
- Sales turnover 2013: approx. 140 Mio. €
- Employees: 430
- Production plants:
  - Brugg Rohrsystem AG, Kleindöttingen, CH (headquarter)
  - Brugg Rohrsysteme GmbH, Wunstorf, DE
  - German Pipe GmbH, Nordhausen, DE
  - Brugg Pipesystems is represented all over the world by 10 subsidiaries and more than 40 partners in over 30 countries.
EIGERFLEX
Cold water pipe with frost protection strip

PREMANT
Rigid steel piping

FLEXWELL
DHC cable

COOLMANT
District cooling system

CALSTEEL
House connection piping

CALAFLEX
District cooling system

CALPEX
Low-temperature system for service water and heat

CALPEX-ALU
House connection piping

CALCOPPER
House connection piping

COOLMANT
Low-temperature system for service water and heat

EIGERFLEX
Cold water pipe with frost protection strip

BRUGG
PIPSYSTEMS
Flexible solutions
CASAFLEX – With quality into a safe future

1. Helically corrugated stainless steel pipe
2. Flexible monitoring wires
3. PIR-foam for highest temperatures (up to 180 °C)
4. Multi-layer diffusion barrier restrains the escaping of cell gases.
5. PE casing with metal reinforcement
6. Patented flange connection technology
7. Patented press connection technology
FLEXWELL – Quality and performance at its best

1. Helically corrugated stainless steel pipe
2. Flexible monitoring wires
3. PUR foam for highest temperatures (up to 150 °C)
4. Corrugated metal casing pipe (metal reinforcement with a cell gases diffusion barrier)
5. Polyment (bituminous mastic) layer
6. PE casing with metal reinforcement
Helically corrugated stainless steel pipe

Flexible  Efficient  Simple  Reliable  Professional
New CASAFLEX Press Connector Mini

Your benefits

- mini connection, patented, permanent press connection
- installed easily and quickly
- available as DN 20 – DN 40, PN 16
- thanks to its compact construction, the connection points can be insulated with standard muffes.
New CASAFLEX Press Connector Mini
Flexible & simple

Easy handling

- Small ring bundles thanks to narrow winding radiiuses
- Long delivery lengths of up to more than 500 m
- Corrugated external jacket, therefore no creasing or wrinkling
- Integrated, twisted, expandable monitoring wires
Flexible

Simple circumvention of obstacles and challenges thanks to flexible problem solutions

- Easy and safe even in wet soil conditions and high water table
- The pipe route can simply be tailored to suit local conditions
- Trees and bushes can be skirted
- Extra work for relocation of other underground lines not necessary
- Narrow bending radiiuses
Efficient

The cost-saver

- Fewer planning expenditure
- Smaller trench dimensions
- No thermal compensation measures
- No venting fittings
- Narrow trenches = less excavation
- Simple surface restoration
- Less work required to secure the construction site
- No welding or insulation of field joints in the trench
CASAFLEX: The house connection pipe

Your benefits

- Just 1 borehole (CASAFLEX DUO)
- Pipe laying in one day!
- Smallest, shortest disruption for the house owner
- Difference in level between head pipe and house is not a problem

Whether as the main pipe or as a house connection - CASAFLEX is your investment in a safe future
FLEXWELL: The heavy duty pipe

Your benefits

- Double walled
- 100% cell gas diffusion tight
- Protected against rough environmental conditions
- Minimized construction costs

The system solution for the horizontal directional drilling - without connections and with out safety pipe
Münster: Railway tracks and 4 lane country road

- **FLEXWELL DN 150, 272 m**
- length of the horizontal directional drilling: 136 m.
- In factory pre assembled pulling heads.
- Two hours per pipe instead of several weeks.
Münster: Railway tracks and 4 lane country road
Regensberg: Flexible solution for all circumstances

- FLEXWELL DN 65, CASAFLEX UNO DN 25, CASAFLEX UNO DN 50, CASAFLEX DUO DN 40
- Head pipe in the valley
- House connection hill side
- With FLEXWELL trough the mountain
- House connections made with CASAFLEX
- Minimized construction costs
Giessen: The right solution for tight circumstances

- FLEXWELL DN 150
- Pipe laying in an old tunnel under a Railway station and a main road
- Welding in the tunnel was not aloud
- Small access shaft

Always the right solution for existing tunnels, Sewers or culverts
Thank you for your attention

The right product in combination with industrial waste energy or renewable energies results in a environmental friendly future.

Brugg Pipesystems provides also for your specific application the right solution. Please ask our sales team or visit www.pipesystems.com