

COOLFLEX®

for chilled water

flexible preinsulated PUR-foamed pipe system

outstanding insulation value of 0.022 W/mK

durable and robust corrugated outer PE jacket



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best quality at optimal conditions

Area of use

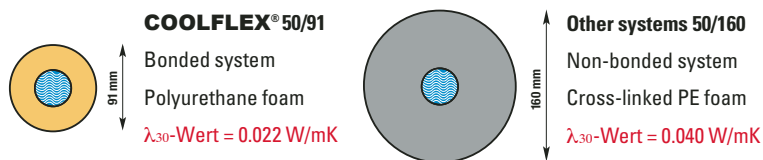
Chilled water district cooling applications/pipelines, sewage piping, drinking water piping in residential, industrial or commercial areas, pool water applications, e. g. hotel complexes with bungalows can be connected with COOLFLEX® for chilled water, drinking water, etc.

Ideal for extreme conditions

COOLFLEX® pipes can be used wherever it is impossible to lay normal cold water pipes at sufficient depth to ensure protection against heat and moisture! Underground and above-ground installations are possible as COOLFLEX® has a UV-resistant outer jacket. The pipe routing can be adapted to any terrain, ensuring that the length of pipe that needs to be laid is kept to an absolute minimum. COOLFLEX® is such a flexible system that it can be used in sand, soil, grit, etc. The system provides an economical and non-corrosive protective jacket against extreme climatic conditions and chemical attacks.

Advantages

- Excellent thermal insulation with CFC-free closed cell PUR foam – lower energy loss during transport results in lower kilowatt prices
- Longer delivery length of up to 760 meters (no connections in ground, lower risk of leaking, faster laying)
- BONDED SYSTEM (composite of carrier pipe, PUR foam and PE-jacket) provides a longitudinal watertight and self-compensating system
- Compatible with all available standard commercial connection technology
- Made in Switzerland
- Drastically reduced installation costs: as COOLFLEX® Cool pipes only require narrow trenches, there is no need to brace the trenches
- All plastic construction ensures that pipes will not rust, corrode or rot, and that users can look forward to decades of maintenance-free operation
- Reduced insulation thickness using PUR foam, as compared with other systems.



System limitations

Operating temperature: up to 30 °C / Operating pressure: up to 16 bar

Product range single flexible preinsulated pipes:

Type	DN	Inches	Carrier pipe	Outer dimension	Minimum bending radius	Volume carrier pipe	Weight	Maximum coil length
			PE 100 Ø mm					
25/76	20	¾	25 x 2.3	76	0.7	0.33	0.90	760
32/76	25	1	32 x 2.9	76	0.7	0.54	1.00	760
40/91	32	1 ¼	40 x 3.7	91	0.8	0.84	1.39	560
50/91	40	1 ½	50 x 4.6	91	0.8	1.31	1.54	560
63/126	50	2	63 x 5.8	126	1.0	2.09	2.60	280
75/126	65	2 ½	75 x 6.8	126	1.0	2.96	2.75	280
90/162	80	3	90 x 8.2	162	1.2	4.25	4.56	144
110/162	100	4	110 x 10.0	162	1.2	6.36	5.69	144
* 125/182	110	–	125 x 11.4	182	1.5	8.20	6.97	126

* on request

other categories of insulation thickness on request

Single rigid preinsulated pipes available in all dimensions

Twinline or other required special items on request



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