

Flexalen[®] 600 FP

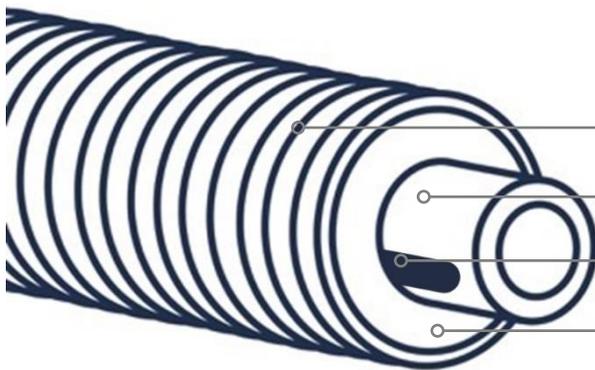
Pre-insulated piping system by Thermaflex[®]

Extremely flexible and easy to install pre-insulated pipe system with frost protection cable for domestic water applications



Benefits

- Built-in frost protection cable to prevent pipes from freezing
- Safest choice with homogeneous welding, one material, for increased reliability
- Full compatibility with Flexalen[®] 600 and Flexalen[®] PU
- Thermaflex service: Support with integrated network design, calculation tools, training and on-site support



Design

Polyethylene corrugated pipe, PE
Flexibility and mechanical protection

Polybutene service pipe, PB-1

Frost protection cable
20W/m @ 10°C

Polyolefin foam
Closed-cell, CFC-free

Applications

- All domestic hot- and cold-water applications
- Drinking water
- Geothermal water

Technical Properties

Flexalen[®] 600 FP is a pre-insulated flexible plastic pipe system produced conform the European standard EN15632-1,3 and KIWA system certified as well as third-party controlled according BRL-K17401.

PB-1 service pipe (EN-ISO 15876)

Max. and continuous service temperature 80°C*

Max. operating pressure 8bar(95°C)

*service temperature limited by max. service temperature of the heating cable!

Thermal Insulation

Polyolefin foam

Closed-cell structure, CFC-free

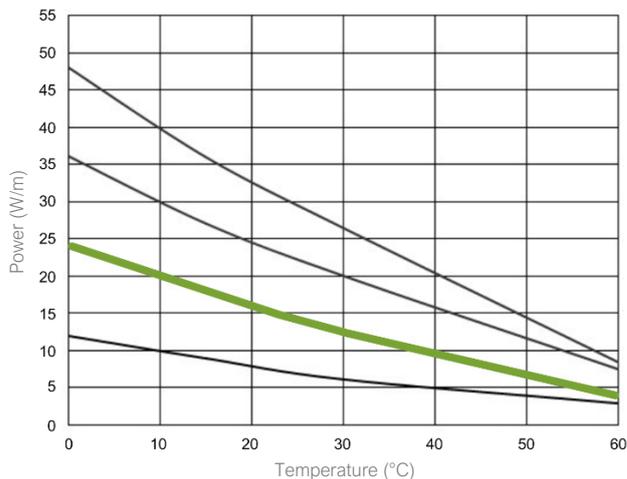
Water vapor diffusion $\mu \geq 3,500$

Frost Protection Cable

Power @ 10°C	20W/m*	
Nominal voltage	230V	
Max. pipe surface temperature	Energized	65°C
	Deenergized	80°C
Max. length	170m	

*power changes depending on the temperature and prevents overheating (see green graph)

Frost Protection Cable Power Change



Availability

Flexalen® 600 FP

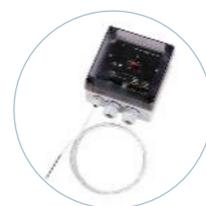
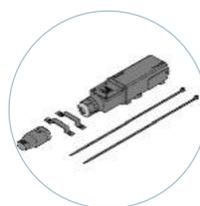
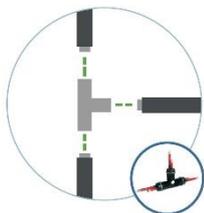
Product code	Dimension	Service pipe OD x s [mm]	Jacket pipe OD [mm]
1041-090025-001	25 / 90	25 x 2.3	90
1041-090032-001	32 / 90	32 x 2.9	90
1041-125040-001	40 / 125	40 x 3.7	125
1041-125050-001	50 / 125	50 x 4.6	125
1041-160063-001	63 / 160	63 x 5.8	160

Available in max. 50m coils

Frost Protection Cable Accessories (required for operation)

Product code	Description
7043-000000-000	Termination & connection set to electricity supply
7043-000100-501	Electronic surface thermostat

Additional accessories available on demand



- All types of homogenous plastic welded Prefabrications
- Full range of weldable PB fittings
- Compression fitting system
- Full range of accessories and tools