

Data Sheet

FH Composite Pipes PEX-b

Application



The grey Danfoss FH composite pipe is 100% impervious to air, temperature resistant and highly flexible. It consists of an aluminium pipe which is covered inside and out with a cross-linked Polyethylene layer.

All layers are permanently bonded with each other through a layer of adhesive.

Cross-linked Polyethylene with its raised temperature resistance (PEX-b) is used, in accordance with GB/T18997.1.

PEX-b pipes are of good flexibility, they can be cold bent and curved very easily and without special tools, saving joints and installation time.

The Danfoss FH composite pipes are manufactured in such a way that the aluminium layer prevents the pipe from going back to its original form. This makes the pipes easy to install.

Ordering

Product	Type	Size	Length	Code no.
FH Composite PEX pipe	FH-PCA	16 x 2 mm	250 m	088X0860
FH Composite PEX pipe	FH-PCB	20 x 2 mm	100 m	088X0861
FH Composite PEX pipe	FH-PCC	25 x 2.5 mm	50 m	088X0862

Accessories

Product	Size	Code no.
Compression fitting for FH pipes	16 x 2 mm	013G4186
Compression fitting for FH pipes	20 x 2 mm	013G4190

Technical Specifications

Materials	PEX-b/Aluminium/PEX-b
Max. working pressure	8 bar
Test pressure	12 bar
Max. flow temperature (short term)	95° C
Max. working temperature	90° C (not for continuous operation)
Recommended max. working temperature	80° C

Bending Radius

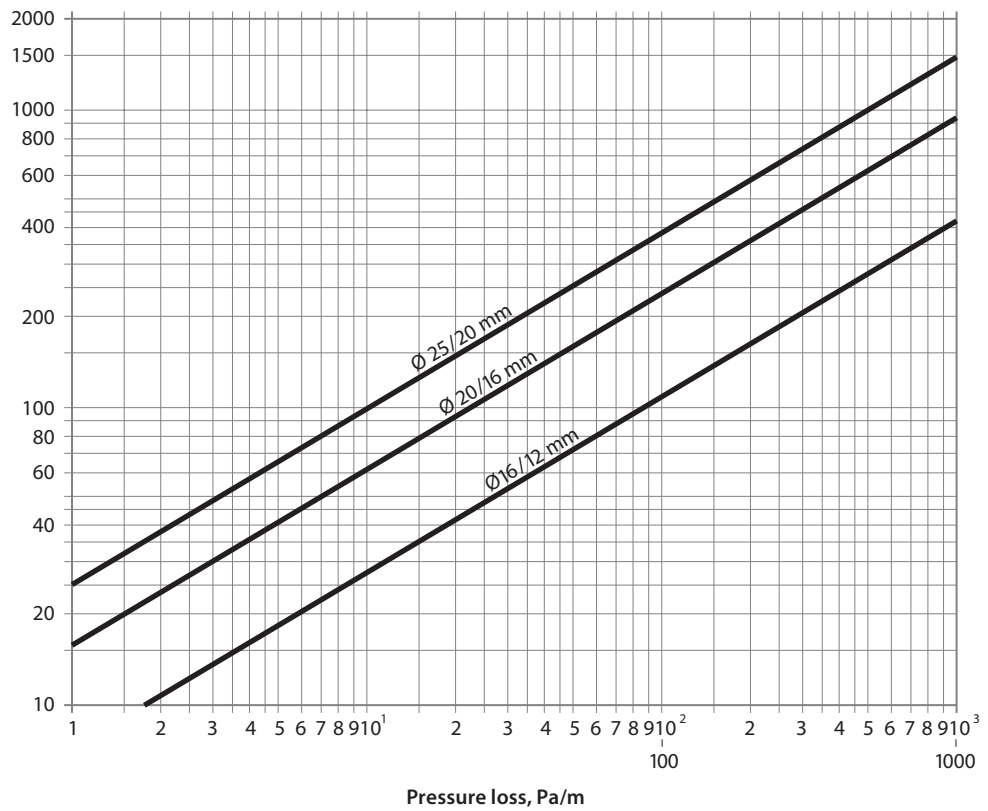
Minimum bending radius with bending springs

Pipe dimension [mm]	Manual pipe bender radius [mm]	Internal pipe bending spring radius [mm]	External bending spring radius [mm]
16	128 (8 x Od)	80 (5 x Od)	80 (5 x Od)
20	160 (8 x Od)	100 (5 x Od)	100 (5 x Od)
25	200 (8 x Od)	125 (5 x Od)	125 (5 x Od)

Od = outside diameter

Pressure Loss

Mass flow, kg/h



Water temperature: 40°C

Danfoss A/S

Floor Heating Hydronics • Ulvehavevej 61 • DK-7100 Vejle • Denmark • Phone: +45 7488 8500 • Fax: +45 7488 8501
heating@danfoss.com • www.floorheating.danfoss.com

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.