

## 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	<b>088X0860</b>
FH Composite PEX pipe	FH-PCB	20 x 2 mm	100 m	<b>088X0861</b>
FH Composite PEX pipe	FH-PCC	25 x 2.5 mm	50 m	<b>088X0862</b>

## Accessories

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

## 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

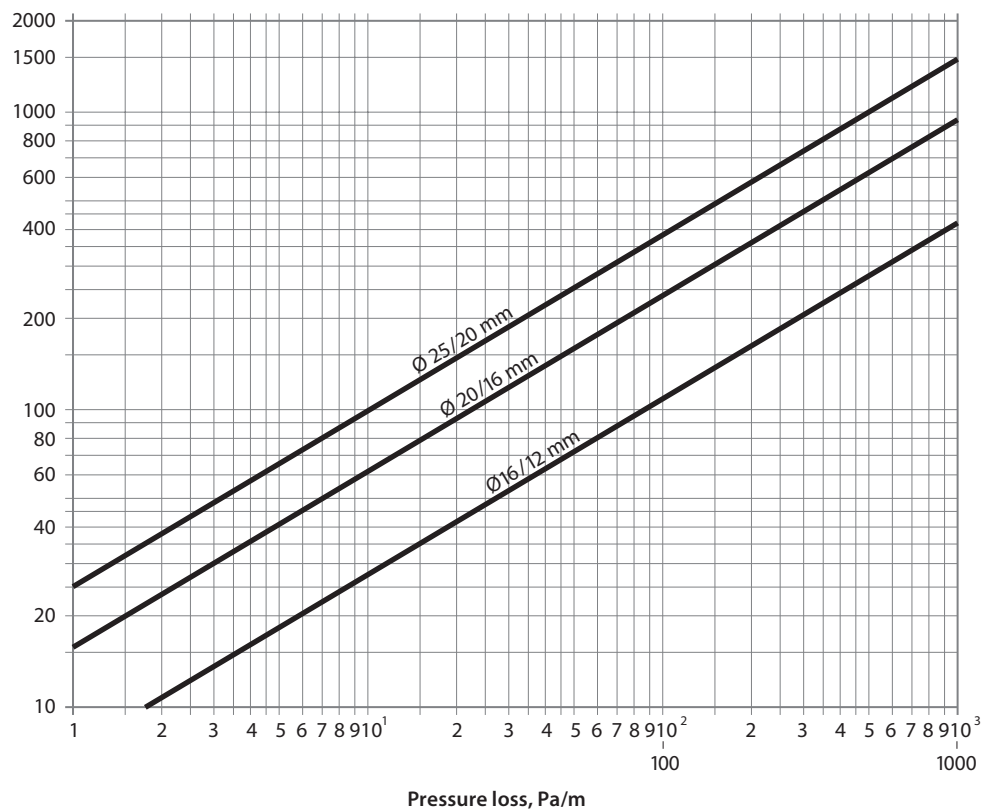
### Minimum bending radius with bending springs

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

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