

Installation Guide

3/4"+1" Pipe Fitting DEVIpipeheat™ 10 V3

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1 Introduction

The connection kit installation guide "3/4"+1" Pipe Fitting DEVIpipeheat™ 10 V3" describes the installation process of the pipe fitting used only for DEVIpipeheat™ V3 for pipe frost protection systems.

Product number: 140F0956

2 Pipe fitting components

Pipe fitting set



No.	Component	Pcs.	Designation
1		1	Nipple M28 AISI 304 GDV
2		1	Rubber Sleeve Conic Oval
3		1	Disk M12 Stainless Steel A2 140 HV
4		1	Pressure Nut M28 AISI 304 GDV

3 Safety instructions

The safety instruction defines the type of tools and activity, which impacts the installation of the pipe fitting for ""3/4"+1" Pipe Fitting DEVIpipeheat™ 10 V3".

Tools and equipment

Name	Tools
Pipe wrench	
Thread seal tape	

Cautions and warnings



Cautions/Warning	Situation	Illustration	Tips and tricks
1. Risk of fire	Short Circuit		Identify the cause (e.g ensure the aluminum foil is not twisted)

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4 Assembly process

Before you start the assembly process you must check the threaded part of the pipe and wadding connection is according to the installation instruction provided.

The certified installer shall be trained in using a wrench/torque wrench to ensure the minimal risk of potential damage to the wadding/pipe installed.

In water pipe installation

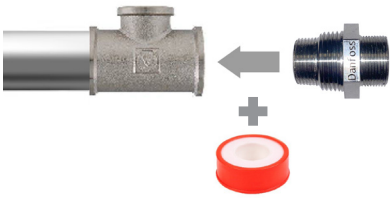
Illustration	Designation	Tools
	Fit a T-shaped pipe of a generous size over the pipe (3/4" or 1").	Threaded seal tape, wrench
	Fit the clean wadding (Without side thread or sharp edges) inside the T-shaped pipe with small hole in the center.	Wadding
	Push the cable through the wadding to facilitate the installation. The connection between heating and connecting cable must be outside the wadding.	
	Use only clean tools before installation as heating cable can be in contact with drinking water.	
	First you put the nut on facing the connection.	
	Mount the washer on the cable.	

Illustration	Designation	Tools
	Mount the threaded part with the single-threaded part facing the end of the cable.	
	Insert almost whole length of the cable inside of the pipe, leave approx. 0,5 m of the cable to install rubber seal afterwards.	
	The heating cable must be extended straight through the T-shaped pipe.	
	Install rubber seal on the cable. The conic rubber seal has groove for the heating cable.	
	Turn the nut until it fits tightly (max. torque for pipe fitting is 30 N·m).	Wrench
	Insulate the pipe with at least 30 mm insulation or thicker if required based on heat loss calculation.	

5 Standard compliance

- ISO 1502:1996 ISO general-purpose metric screw threads - Gauges and gauging.
- ISO 13444:2012 Technical product documentation (TPD) - Dimensioning and indication of knurling.
- ISO7-1:1994(en) Pipe threads where pressure-tight joints are made on the threads - Part 1: Dimensions, tolerances and designation.

6 Warranty

A 2-year product warranty is valid for:
- 3/4"+1" Pipe Fitting DEVIpipeheat™ 10 V3

Should you, against all expectations, experience a problem with your DEVI product, you will find that Danfoss offers DEVIwarranty valid from the **date of purchase** that was no later than 2 years from production date on the following conditions: During the warranty period Danfoss shall offer a new comparable product or repair the product if the product is found to be faulty by reason of defective design, materials or workmanship. The repair or replacement.

The decision to either repair or replace will be solely at the discretion of Danfoss. Danfoss shall not be liable for any consequential or incidental damages including, but not limited to, damages to property or extra utility expenses. No extension of the warranty period following repairs undertaken is granted.

The warranty shall be valid only if the WARRANTY CERTIFICATE is completed correctly and in accordance with the instructions, the fault is submitted to the installer or the seller without undue delay and proof of purchase is provided. Please note that the WARRANTY CERTIFICATE must be filled in, stamped and signed by the authorized installer performing the installation (Installation date must be indicated). After the installation is performed, store and keep the WARRANTY CERTIFICATE and purchase documents (invoice, receipt or similar) during the whole warranty period.

DEVIwarranty shall not cover any damage caused by incorrect conditions of use, incorrect installation or if installation has been carried out by non-authorized electricians. All work will be invoiced in full if Danfoss is required to inspect or repair faults that have arisen as a result of any of the above. The DEVIwarranty shall not extend to products which have not been paid in full. Danfoss will, at all times, provide a rapid and effective response to all complaints and inquiries from our customers.

The warranty explicitly excludes all claims exceeding the above conditions.

For full warranty text visit **www.devi.com**. **devi.danfoss.com/en/warranty/**

WARRANTY CERTIFICATE

The DEVIwarranty is granted to:

Address _____ **Stamp**

Purchase date _____

Product _____ **Art. No.** _____

Installation Date & Signature _____ **Connection Date & Signature** _____



GB	2 year warranty	FI	2 vuoden takuu	NO	5-års garanti
DK	2-års garanti	LT	2 metų garantija	UA	2 роки гарантії
EE	2-aastane garantii	LV	2 gadu garantija	SE	2-års garanti

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