

128-36

1¼" x 35mm
heat pump hoses



Installation, operation and maintenance

altecnic

128-36 1¼" x 35mm heat pump hoses

These installation instructions are for the Altecnic 128-36 hoses specifically designed for use with heat pumps.

Introduction

The flexible hoses allow for easy connection between the heat pump and associated equipment whilst reducing vibration to the pipework.

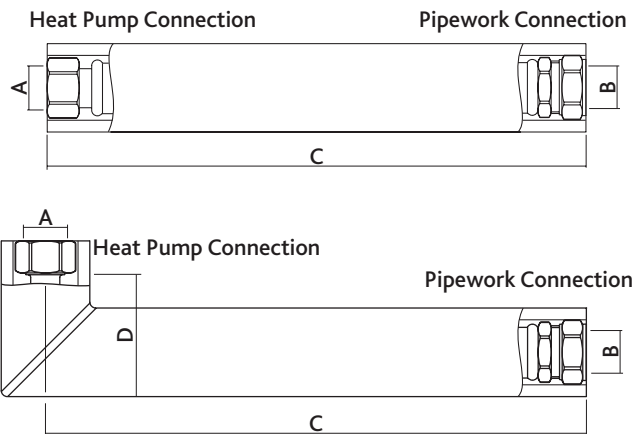
The hoses are supplied with thick weatherproof insulation to reduce heat losses.

The hoses are supplied in pairs.

Product Range and Dimensions

These instruction cover the following models;

Ref No	Body Style	Connection		Dimensions	
		Union - A	Compression - B	C	D
128-3607	Straight	1¼" female	Ø35	750	
128-3608	Angled	1¼" female	Ø35	750	117.5
128-3609	Straight	1¼" female	Ø35	500	
128-3610	Angled	1¼" female	Ø35	500	117.5
128-3611	Straight	1¼" female	Ø35	300	
128-3612	Angled	1¼" female	Ø35	300	117.5



Technical Specification

Nominal Size:	DN32
Max. pressure:	10 bar
Max. temperature:	90°C
Threaded ends:	BS EN ISO 228-1
Compression ends:	BS EN 1252-2

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Materials

Flexible hose:	Stainless steel
Crimped sleeve:	Stainless steel
End connections:	Stainless steel
Nut and olive:	Brass
Liner:	EPDM

Insulation

Aeroflex HF	
Inside diameter:	41
Outside diameter:	79
Thickness:	19
Temperature range:	-50 °C to 125 °C
Thermal conductivity:	EN ISO 8497 λ 40°C \leq 0.040 W/(m·K)
Reaction to fire:	BS EN 13501 Class 1
Water vapour diffusion resistance:	EN 13469 $\mu \geq$ 3000
UV resistance:	UV Resistant

Installation

Building regulations Part L states that all external fittings on an Air Source Heat Pump System must be fully insulated to reduce heat loss and maintain system efficiency.

It is recommended that isolation valves (not supplied) are fitted to the flow and return connections of the heat pump for ease of maintenance.

Care should be taken to ensure pipework is suitably located for air removal at the high point of the system and all water can be released at drain points.

The heat pump hoses can be connected directly to the heat pump, isolation valves or an anti-freeze valve such as the Altecnic iStop reference No. 108601, please refer to the manufacturer's installation instructions.

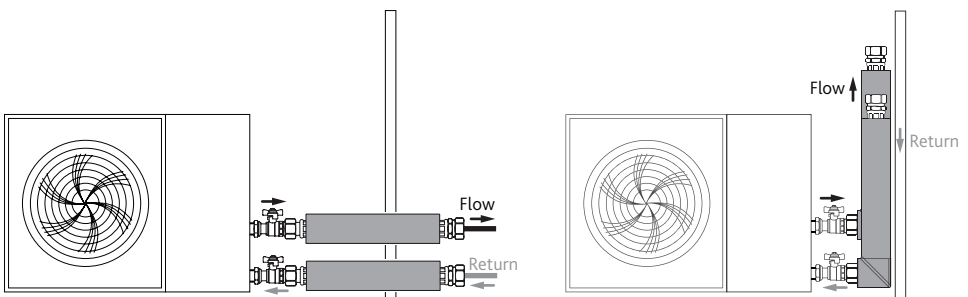
The heat pump hoses are designed to connect the heat pump located external of the building and system pipework located within.

Once installed and tested additional insulation should be fitted to protect isolation valves and anti-freeze valves if fitted.

It is important to seal all external joints of insulation with bond and seal to stop water ingress between the insulation and pipework.

On the annual service of the heat pump, check the hoses, insulation and joints.

If necessary re-seal the joints or if damage has occurred replace the insulation.



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Please leave this manual for the user

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Registered in England No: 02095101

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IOM 209 29-08-2024

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ALTECNIC™

The logo for Altecnic, featuring the word "altecnic" in a lowercase, sans-serif font. The letter "a" is stylized with a small circle inside it.