

Complete set for heat pumps installation



DELTA

HEAT
PUMP
SET

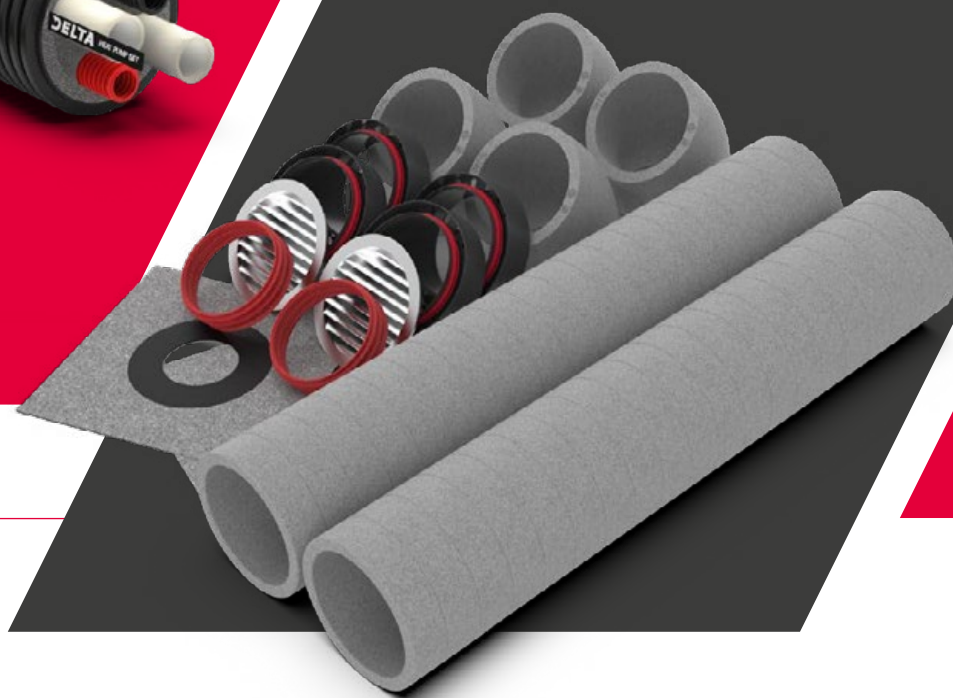
APPLICATION: **MONOBLOCK HEAT PUMPS**



ARIA ADURO

HEAT
PUMP
SET

APPLICATION: **DOMESTIC HOT WATER HEAT PUMPS**



EASY INSTALLATION • HIGH INSULATION

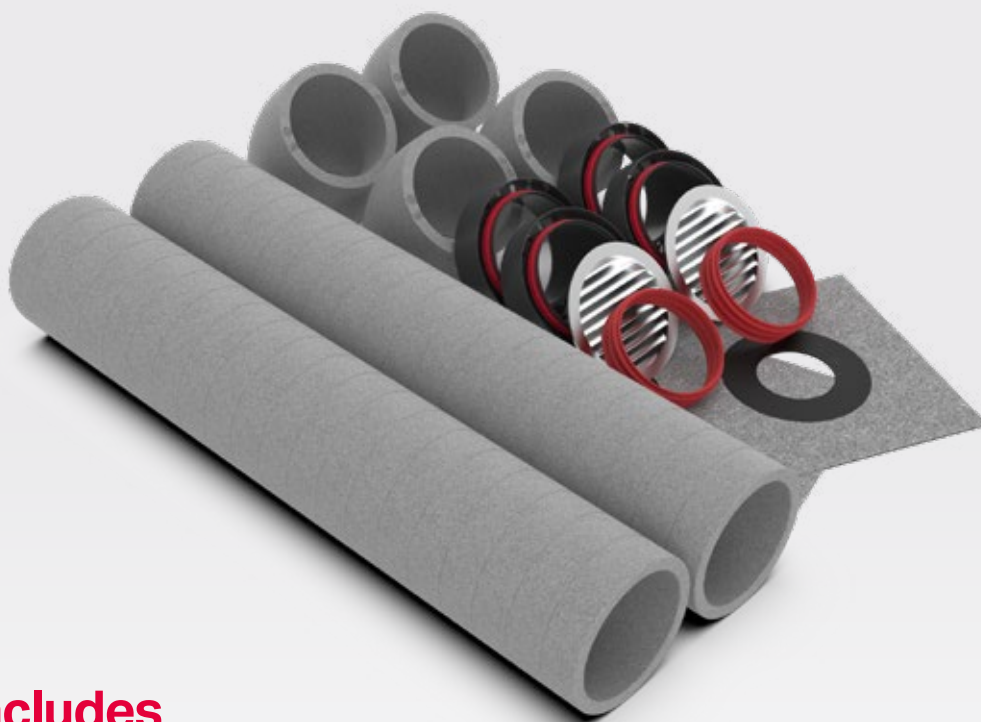


HEAT PUMP SET

A COMPLETE HEAT PUMP **WATER** **HEATING** INSTALLATION SET

APPLICATION: AIR-SOURCE HEAT PUMPS FOR DOMESTIC HOT WATER

Heat pumps are becoming increasingly popular for domestic hot water heating, and the ADURO HEAT pump set is a comprehensive solution that facilitates installation and ensures reliable operation. This set includes all the necessary components for effectively heating domestic hot water using heat pumps, offering easy installation and high efficiency.



Set **includes**



2x

HEATPEX ARIA ADURO **pipes**, which feature excellent insulation properties, eliminating water vapor condensation. These pipes, each 1 meter in length



4x

HEATPEX ARIA ADURO **45° elbows**



4x

HEATPEX ARIA ADURO **connectors**



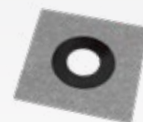
2x

2 **ventilation grilles**, serving as intake or exhaust vents



2x

rubber adapters for ducts with diameters of 150 mm or 180 mm



2x

sealed sleeves

Key features

Flexibility

The ADURO HEAT pump set offers two configurations: 160 mm and 200 mm, compatible with duct diameters of 150 mm, 160 mm, 180 mm, and 200 mm, ensuring compatibility with most heat pump models.

Simple installation

Tool-free assembly with push-fit connections and easily adjustable pipe lengths make installation quick and straightforward, adapting to various building conditions.

Insulation

17 mm thick insulating material prevents water vapor condensation, ensuring durability and weather resistance.

Efficiency

Expandable with ARIA ADURO system elements, the set delivers high performance and reliability, ideal for heating domestic hot water efficiently with heat pumps.



Heat pump sets

Name	Set contents			Catalogue no.	Net price [EUR]
ADURO HEAT pump set 160/150	Pipe ARIA ADURO 160mm 2 pcs.	Bend ARIA ADURO 45° 160mm 4 pcs.	Connector ARIA ADURO150/160 mm 4 pcs.	52916015000W	165,75
	Air intake / outlet grille – flat 160mm 2 pcs.	Rubber connection adapters 150/160 2 pcs.	Sealed sleeve 2 pcs.		
ADURO HEAT pump set 200/180	Pipe ARIA ADURO 200mm 2 pcs.	Bend ARIA ADURO 45° 200mm 4 pcs.	Connector ARIA ADURO 180/200mm 4 pcs.	52920018000W	196,78
	Air intake / outlet grille – flat 200mm 2 pcs.	Rubber connection adapters 180/200 2 pcs.	Sealed sleeve 2 pcs.		

DELTA

HEAT
PUMP
SET

**ALL-IN-ONE PRE-INSULATED PIPES AND ACCESSORIES SET:
EVERYTHING YOU NEED FOR HEAT PUMPS!**

APPLICATION: **MONO-BLOCK HEAT PUMP CONNECTION**

Ultimate Flexibility for Quick and **Easy Setup**

Perfect for Mono-Block Heat Pump Connections!



HEATPEX offers ready-made DELTA HEAT pump sets, including pre-insulated DELTA HP pipes (in 2×25, 2×32, and 2×40 variants of 5, 10, and 15 meters), HELA couplings, rubber end caps, wall feedthrough and warning tape.

These sets support flexible placement of air-to-water (MONO-BLOCK type) heat pump external units, providing **several benefits**:



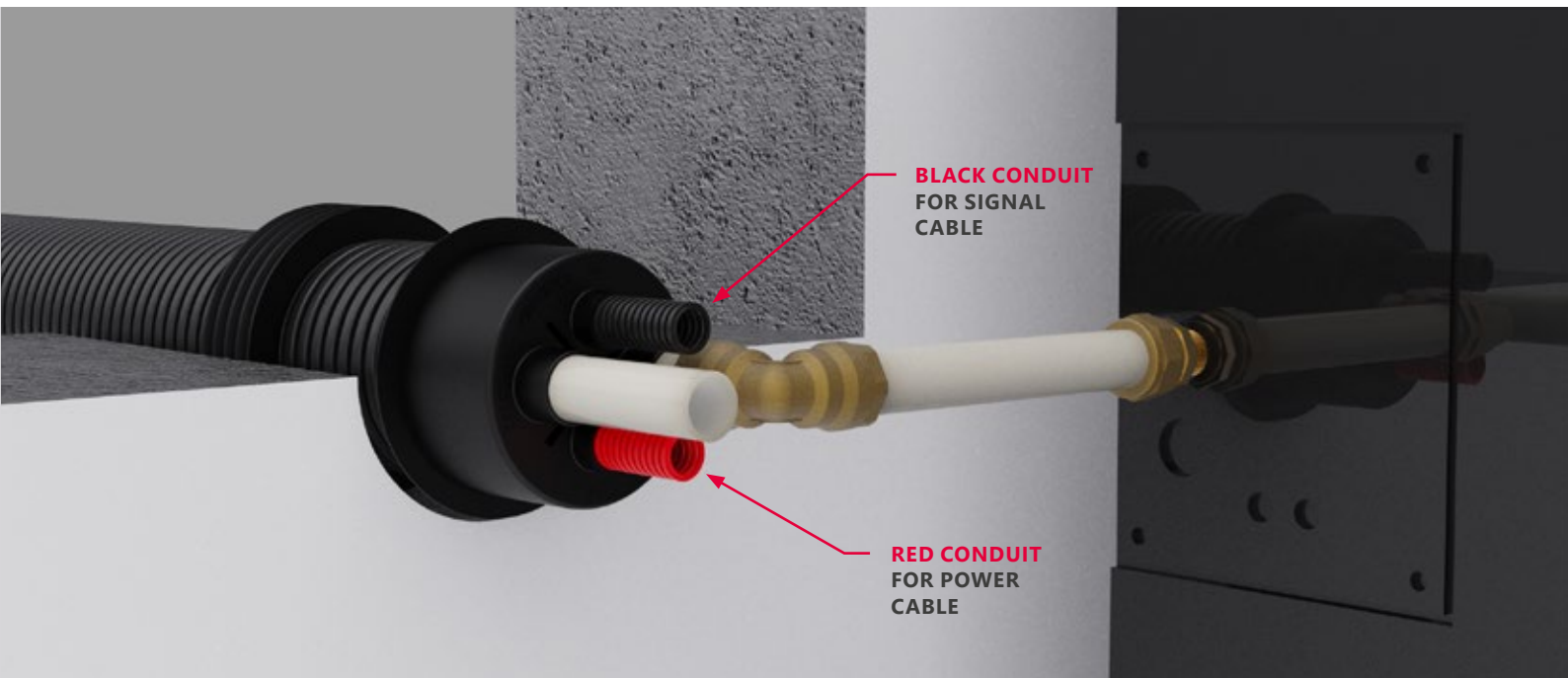
Noise reduction

Placing the unit away from the building reduces noise.



Aesthetics

Improves building facade by relocating the unit.



Your advantages

Integrated solution

Delta HP pipes combine supply water, return water, and electrical power cable conduits, reducing wall openings.

Accessory sets

Complete sets for connecting external heat pumps units.

Flexibility

High flexibility and small bending radius for easy routing, even in challenging terrain

Superior insulation

Optimal conditions for heat pump operation and reduced heat loss.

Damage protection

Durable corrugated casing pipe shields carrier pipes, conduits, and insulation from external damage and weather.

Quality and technology

DELTA HP pipes are developed especially for heat pump applications, as they include all connections in only one pipe i.e. heating pipes and power and sensor cables. They can also be connected to external dwellings and are suitable for many other applications.

Insulation from flexible, cross linked polyethylene foam, ensuring low heat losses

Corrugated high-density polyethylene (HDPE) casing pipe, resistant to UV radiation, protecting insulation and piping from mechanical damage

PEX-A carrier pipe compliant with EN ISO 15875 -1, -2, -5 standards.

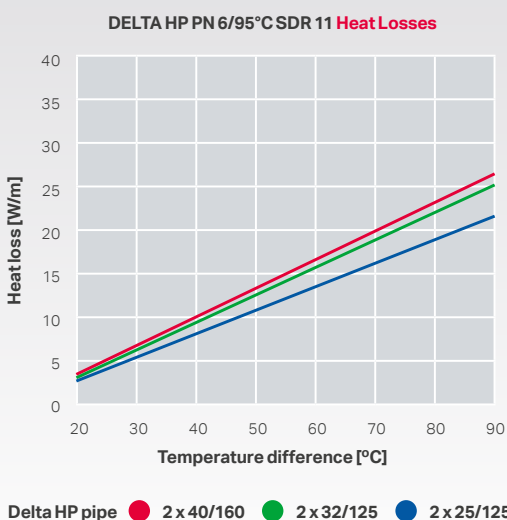


Heat pump sets



Name	Set contents			Catalogue no.	Net price [EUR]
DELTA HEAT pump set 2x25/2,3 (25-25) / 125 5m	Pre insulated pipe DELTA HP 2x25/2,3 (25-25) / 125 PN6 5m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71502500500W	311,95
	HELA H 25 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 5m 1 pc.		
DELTA HEAT pump set 2x32/2,9 (25-25) / 125 5m	Pre insulated pipe DELTA HP 2x32/2,9 (25-25) / 125 PN6 5m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71503200500W	341,61
	HELA H 32 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 5m 1 pc.		
DELTA HEAT pump set 2x40/3,7 (32-32) / 160 5m	Pre insulated pipe DELTA HP 2x40/3,7 (32-32) / 160 PN6 5m 1 pc.		Rubber END-CAP HP 160 2 pcs.	71504000500W	492,87
	HELA H 40 32-6 fittings 4 pcs.	Sealing sleeve 160 1 pc.	Warning tape 5m 1 pc.		
DELTA HEAT pump set 2x25/2,3 (25-25) / 125 10m	Pre insulated pipe DELTA HP 2x25/2,3 (25-25) / 125 PN6 10m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71502501000W	476,09
	HELA H 25 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 10m 1 pc.		
DELTA HEAT pump set 2x32/2,9 (25-25) / 125 10m	Pre insulated pipe DELTA HP 2x32/2,9 (25-25) / 125 PN6 10m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71503201000W	532,41
	HELA H 32 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 10m 1 pc.		
DELTA HEAT pump set 2x40/3,7 (32-32) / 160 10m	Pre insulated pipe DELTA HP 2x40/3,7 (32-32) / 160 PN6 10m 1 pc.		Rubber END-CAP HP 160 2 pcs.	71504001000W	741,84
	HELA H 40 32-6 fittings 4 pcs.	Sealing sleeve 160 1 pc.	Warning tape 10m 1 pc.		
DELTA HEAT pump set 2x25/2,3 (25-25) / 125 15m	Pre insulated pipe DELTA HP 2x25/2,3 (25-25) / 125 PN6 15m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71502501500W	640,46
	HELA H 25 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 15m 1 pc.		
DELTA HEAT pump set 2x32/2,9 (25-25) / 125 15m	Pre insulated pipe DELTA HP 2x32/2,9 (25-25) / 125 PN6 15m 1 pc.		Rubber END-CAP HP 125 2 pcs.	71503201500W	722,99
	HELA H 32 25-6 fittings 4 pcs.	Sealing sleeve 125 1 pc.	Warning tape 15m 1 pc.		
DELTA HEAT pump set 2x40/3,7 (32-32) / 160 15m	Pre insulated pipe DELTA HP 2x40/3,7 (32-32) / 160 PN6 15m 1 pc.		Rubber END-CAP HP 160 2 pcs.	71504001500W	1 002,76
	HELA H 40 32-6 fittings 4 pcs.	Sealing sleeve 160 1 pc.	Warning tape 15m 1 pc.		




Delta HP Pipe technical data




Preinsulated pipe DELTA HP	2x25/2,3 (25-25) / 125 PN6	2x32/2,9 (25-25) / 125 PN6	2x40/3,7 (32-32) / 160 PN6
Casing outside diameter Do [mm]	125	125	125
PEX pipe diameter Dz [mm]	25	32	40
PEX pipe wall thickness Sz [mm]	2,3	2,9	3,7
Conduit pipe diameter Dc [mm]	25	25	32
Bending Radius [m]	0,50	0,64	0,80
PEX pipe volume [l/m]	0,654	1,078	1,669
Weight (dry) [kg/m]	1,26	1,49	2,13
Max. coil length [m]	100	100	100
Catalogue number	71502510000W	71503210000W	71504010000W

The following calculation assumptions have been used: soil thermal conductivity coefficient $\lambda = 1.0 \text{ W/(m} \cdot \text{K)}$ | soil temperature $\Theta_{SE} = 10^\circ\text{C}$ | pipeline burial depth $h = 0.8 \text{ m}$ | specific heat $c_p = 1.9 \text{ kJ/kg}^\circ\text{C}$ | average operating temperature for a single pipe from 20°C to 90°C | average operating temperature for a double pipe as the difference between feed and return flow Δt from 20°C to 90°C

Products also available **separately**

Photo	Name	Designation ØDzr / Ødzo [mm]	Carrier pipe dimensions ØDz x s [mm]	Catalogue no.	Net price [EUR]
	Pre insulated pipe DELTA HP 2x25/2,3 (25-25) / 125 PN6	(25-25) / 125	2x25/2,3	71502510000W	32,85
	Pre insulated pipe DELTA HP 2x32/2,9 (25-25) / 125 PN6	(25-25) / 125	2x32/2,9	71503210000W	38,14
	Pre insulated pipe DELTA HP 2x40/3,7 (32-32) / 160 PN6	(32-32) / 160	2x40/3,7	71504010000W	50,99

MAXIMUM COIL LENGTH: 100 m

Photo	Name	Designation	Pex pipe dimension [mm]	Thread R [inch]	Catalogue no.	Net price [EUR]
	HELA fittings H 25 25-6	H 25 25-6	25x2,3	1"	60602500100T	16,67
	HELA fittings H 32 25-6	H 32 25-6	32x2,9	1"	60603200100T	17,74



	HELA fittings H 40 32-6	H 40 32-6	40x3,7	1 1/4"	60604011400T	40,12
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Photo	Name	Designation	Pex pipe dimension [mm]	Conduit diameter [mm]	Casing pipe diameter [mm]	Catalogue no.	Net price [EUR]
	Rubber END-CAP HP 125	HP 125/4	25/25	25/25	125	71200012500T	53,33
	Rubber END-CAP HP 125		32/32				



	Rubber END-CAP HP 160	HP 160/4	40/40	32/32	160	71200016000T	62,30
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Photo	Name	Designation	Casing pipe diameter [mm]	Catalogue no.	Net price [EUR]
	Sealing sleeve	PL 125	125	71100012500T	11,09
	Sealing sleeve	PL 160	160	71100016000T	12,30

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 **HEATPEX**
ARIA

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