

PRE-INSULATED PIPE SYSTEMS (PIP)

AustroPEX WPP

The ultimate solution for seamless heat pump installations. Engineered for efficiency and durability, our one-stop solution for easy heat pump installation includes top-quality AustroPEX pipe-in-pipe systems and accessories that ensure secure connections and long-term peak performance. Say goodbye to installation hassles and hello to reliable heating systems with our AustroPEX WPP heat pump package.

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HEAT PUMP PACKAGE

AustroPEX WPP

Climate change requires a swift transition to more environmentally friendly energy systems in the residential building sector, which is being accelerated by the energy crisis and the tightening of energy-saving regulations. Indeed, air-to-water heat pumps have quickly become the preferred choice for heating systems in new buildings, and their adaptability also makes them an easy option for retrofitting existing buildings.

**FLEXIBLE
PIPE-IN-PIPE
SYSTEM FOR
UNDERGROUND
INSTALLATION**



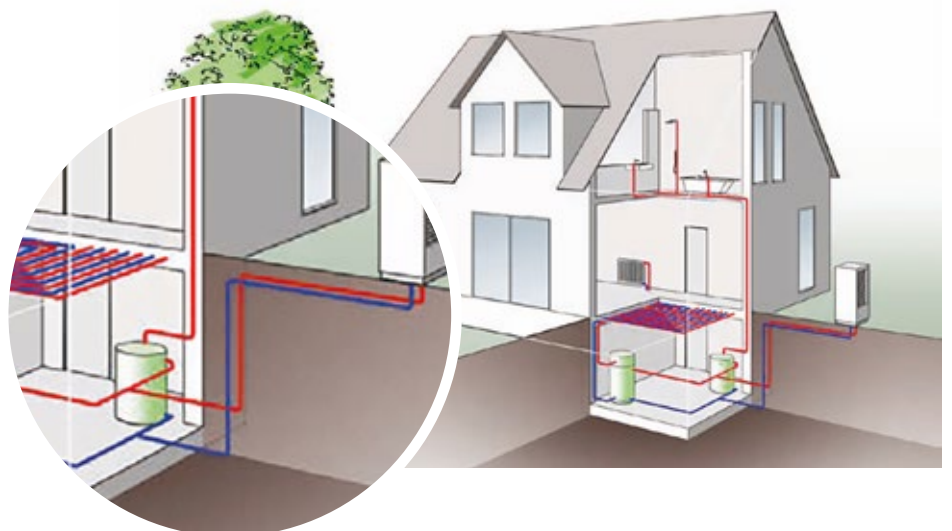
Corrosion-resistant pipes made of cross-linked PE-Xa in accordance with DIN 16892/16893 with red oxygen barrier based on EVOH in accordance with DIN 4726.

EASY-TO-INSTALL

Air-to-water heat pumps use thermal energy from the air and have established themselves as the most cost-effective solution. Even at air temperatures as low as -20°C the heat pump can still generate warmth for heating. We offer efficient and durable connection pipe systems for the safe installation of heat pumps. With our AustroPEX WPP package, monobloc outdoor units can easily be connected underground to the boiler room in the house.

ONE-STOP SOLUTION

Pre-insulated, self-compensating pipes are made of corrosion-resistant multilayer pipes (PE-Xa) and have two additional empty pipes for connecting and controlling the heat pump, in addition to the flow and return pipes. The CFC-free foam insulation made of cross-linked polyethylene foam with a closed microcell structure and minimal water absorption ($<1\%$ in accordance with DIN 53428), protects the pipe against energy losses and moisture absorption. The corrugated high density polyethylene (PE-HD) outer jacket is weather-resistant and flexible providing optimum protection for the pipe system. The rubber end caps ensure a clean finish, and the compression fittings with male thread connection can be installed without special tools.



CONNECTION KIT FOR AIR / WATER HEAT PUMPS



PLUG-AND-PLAY SOLUTION



SUPERIOR THERMAL INSULATION



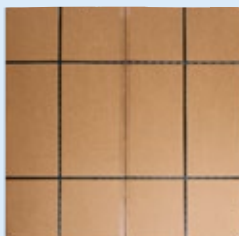
MAXIMUM MECHANICAL PROTECTION



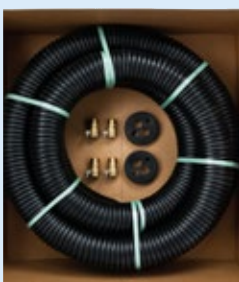
LONG, MAINTENANCE-FREE SERVICE LIFE



ENVIRONMENTALLY FRIENDLY SYSTEM



Our practical ready-to-install connection packages contain pre-insulated AustroPEX heat pump pipes (DN32 and DN40) in lengths of 6, 8 and 12 metres - including compression fittings and end caps. The lightweight boxes (110 x 110 x 30 cm) are ideal for easy storage and handy for transport to the construction site.



AustroPEX kit
PIP-XPH- ...

Bolt type connector
4x FT-WHA- ...

Rubber end cap
2x CP-ENS- ...



OPTIONALLY AVAILABLE:



Wall feed-through
SUN-HED- ...



Heat shrink end cap
CP-ENO- ...

Outer diameter	PE-Xa (da x s)	Empty conduits (da)	Min. bending radius	Maximum power				Flow rate 1m/sek
				at 3K *	at 5K *	at 7K *	at 10K *	
mm	mm	mm	m	kW	kW	kW	kW	m³/h
125	2x 32 x 2.9	32 + 25	0,50	6	11	16	22	1.9
145	2x 40 x 3.7	32 + 25	0,60	10	17	24	35	3.0

* The maximum connected load is based on a maximum medium flow rate of ~1 m/sec with the specified spread. The specified values are purely informative; the system manufacturer's specifications apply.

HEAT PUMP SETS

Shortname	Material description
PIP-XPB-125/32-S06	HP-Pipe SET A125 2x32 PN6+KSR32+25 6m + 4x FT-WHA-32-1AG + 2x CP-ENS-125/3x32-25
PIP-XPB-125/32-S08	HP-Pipe SET A125 2x32 PN6+KSR32+25 8m + 4x FT-WHA-32-1AG + 2x CP-ENS-125/3x32-25
PIP-XPB-125/32-S12	HP-Pipe SET A125 2x32 PN6+KSR32+25 12m + 4x FT-WHA-32-1AG + 2x CP-ENS-125/3x32-25
PIP-XPB-145/40-S06	HP-Pipe SET A145 2x40 PN6+KSR32+25 6m + 4x FT-WHA-40-5/4AG + 2x CP-ENS-145/40
PIP-XPB-145/40-S08	HP-Pipe SET A145 2x40 PN6+KSR32+25 8m + 4x FT-WHA-40-5/4AG + 2x CP-ENS-145/40
PIP-XPB-145/40-S12	HP-Pipe SET A145 2x40 PN6+KSR32+25 12m + 4x FT-WHA-40-5/4AG + 2x CP-ENS-145/40

ACCESSORIES

Shortname	Material description
PC-AFS-2X32	AustroFlex restraining clamp double 2x32
PC-AFS-2X40	AustroFlex restraining clamp double 2x40
CP-ENO-162070q6418	AustroFlex heat shrink end cap A162-70 4x64-18
CP-ENS-125/3x32-25	AustroFlex rubber end cap A125 2x32+1x32+1x25
CP-ENS-145/40	AustroFlex rubber end cap A145 2x40+1x32+1x25
SUN-HED-200/A125	Wall feed-through for pressurised water 125/200
SUN-HED-200/A145	Wall feed-through for pressurised water 145/200
SUN-HED-250/A145	Wall feed-through for pressurised water 145/250
SUN-HEK-A125	Wall collar 125 outer casing
SUN-HEK-A145	Wall collar 145 outer casing
FT-WHA-32-1AG	Bolt type connector male thread PEX 32 - 1" PN6
FT-WHA-40-5/4AG	Bolt type connector male thread PEX 40 - 5/4" PN6

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.



For product information, please visit:
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