

Pre-insulated Elbow for Flexalen® HP

Flexalen® Prefabrication by Thermaflex

This pre-insulated elbow efficiently connects the Flexalen® HP from a heat pump to indoor systems. Thanks to its design it minimises heat loss and enables a compact installation.

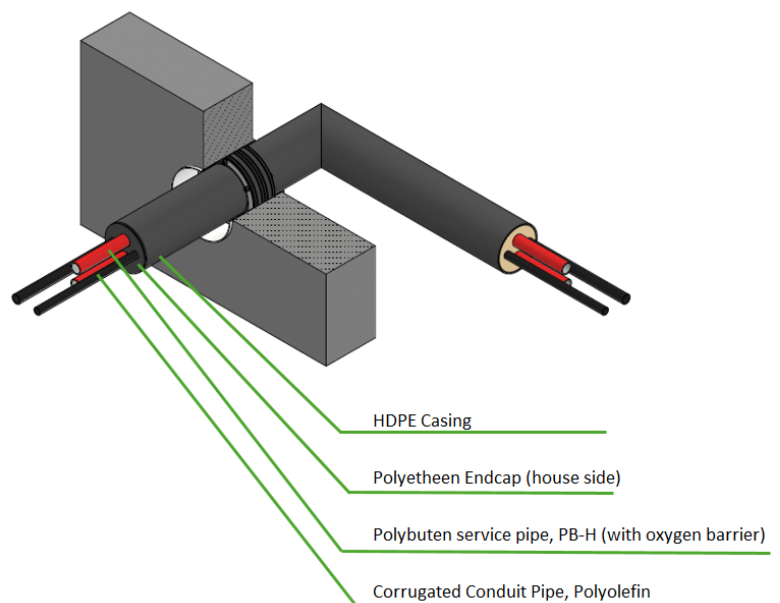


Benefits

- Pre-insulated HP elbow for easy building entry.
- For fast and easy installation.
- Ideal for connecting monoblock heat pumps.
- Ideal for compact spaces.

Product applications

- This pre-insulated elbow is designed for heat pump installations where the unit is positioned close to the building wall. It provides a tight, pre-formed connection that allows the Flexalen® HP to transition efficiently from the outdoor heat pump to the inside of the building, ensuring a clean installation even in compact spaces.



Disclaimer

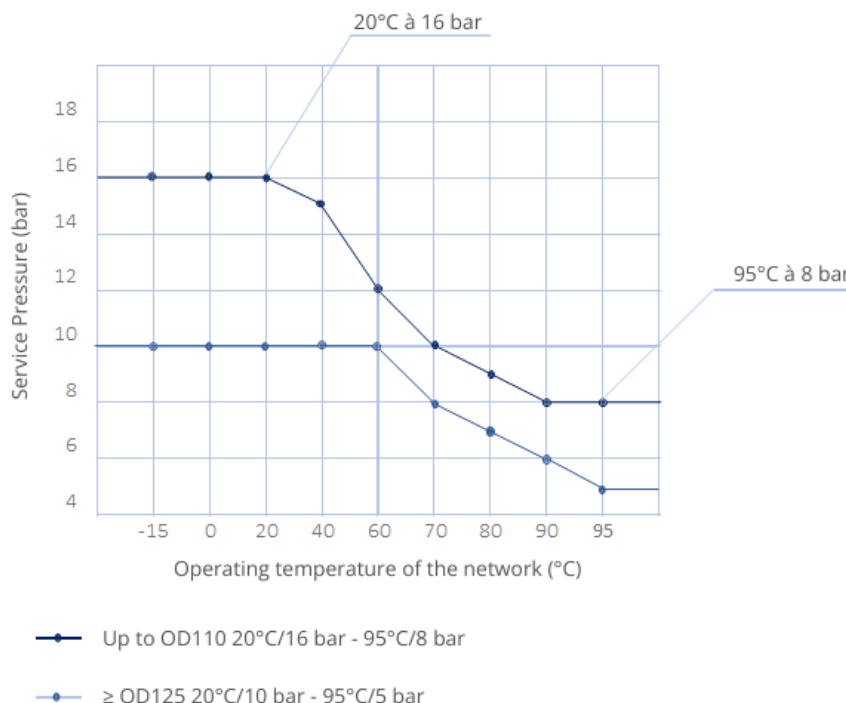
All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.



Material information

HDPE Casing

- HDPE Casing is classified as PE 100 in accordance with EN 253.



Corrugated conduit pipe

Conduit

Polyolefin material
Corrugated

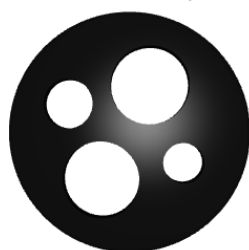
For easy cable routing, the conduit pipe is fitted with a PVC-U plug-in elbow at the bend.
Note: We recommend using a cable-pulling aid to guide the electrical cable through.

PUR (polyurethane) foam

Thermal Insulation

PUR foam, CFC-free
Closed-cell material
Thermal conductivity (λ) ≤ 0.021 W/m·K @ 50°C
60 kg/m³

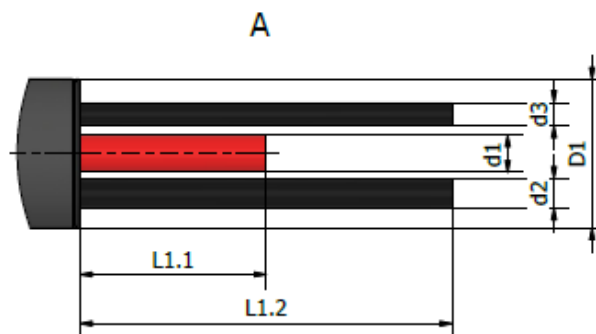
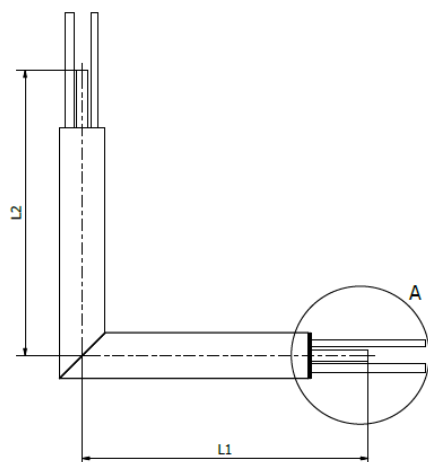
PE endcap



HDPE end plate is extrusion welded to on the casing pipe and is on one of the sides of the pre-insulated HP elbow. Wall thickness is 6 mm of the end plate.



Availability



Product Code	L1 [mm]	L2 [mm]	L1.1 [mm]	L1.2 [mm]	D1 [mm]	d1 [mm]	d2 [mm]	d3 [mm]
1408-125032-800	1000	1000	200	400	125	32	25	25
1408-160040-800	1000	1000	200	400	160	40	32	25
1408-160050-800	1000	1000	200	400	160	50	32	25

PE plug-in couplers – to connect the conduit pipe at d2 and d3. (4 included with elbow) to the Flexalen® HP pre-insulated pipes.



- PE.
- Transparent.
- Non-flammable / non-flamespreading.

Separate to order PE plug-in couples for connecting conduit pipes on the building site.

Product Code	L1 (mm)	d1 (mm)	Content	VPE	Weight (kg)
1740-000025-000	75	25	100	Box	0.5
1740-000032-000	75	32	50	Box	0.35

Storage

- Store lying down (on a pallet).
- Do not unpack the pipe ends until the moment of installation.