

Plenum boxes with long connection spigot for air valve

FLX-PLO-EPP-L

The FLX-PLO-EPP-L plenum boxes are part of the FLX-REKU air distribution system designed for domestic mechanical ventilation systems, so-called the MVHR system, to which an air valve and FLX-HDPE / FLX-HDPE-A ducts with a diameter of Ø75 are mounted.

L version allows to install the valve through a concrete ceiling or a thick wall.

The FLX-PLO-EPP-L plenum boxes are made of expanded polypropylene, i.e. EPP, while Ø75 spigots are made of ABS.

Key features:

- EPP is an insulation material $\lambda=0.039$, the wall thickness is about 8 to 31 mm.
- "Double" FLX-HDPE duct fixing - the male connection spigot with a gasket on the inside and EPP casing on the outside.
- The plenum boxes do not corrode.
- Long connection spigot ($\text{Ø}d_1$) for the air valve has 280 or 300mm.
- 2 installation methods - with screws and wall plugs or with 17-25 mm-wide PB perforated tape.

The FLX-PLO-EPP-L plenum boxes are equipped with TPE gasket on $\text{Ø}d_2$ spigots as a standard - such connection with FLX-HDPE ducts is airtight and easy to make. A system created with the FLX-PLO-EPP-L boxes achieves the airtightness class C.

Example of designation

Product code **FLX-PLO-EPP-L - 75 - 2 - 125 - F**

type

diameter $\text{Ø}d_2$

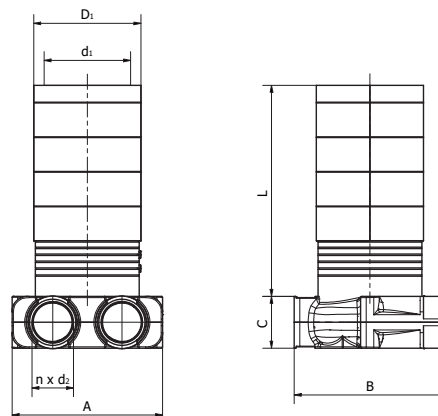
number of spigots n

diameter $\text{Ø}d_1$

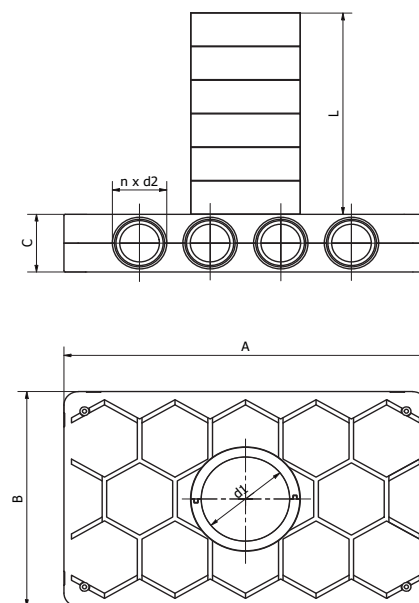
female connection

Dimensions

FLX-PLO-EPP-L28-75-2-125-F



FLX-PLO-EPP-L30-75-4-...-F



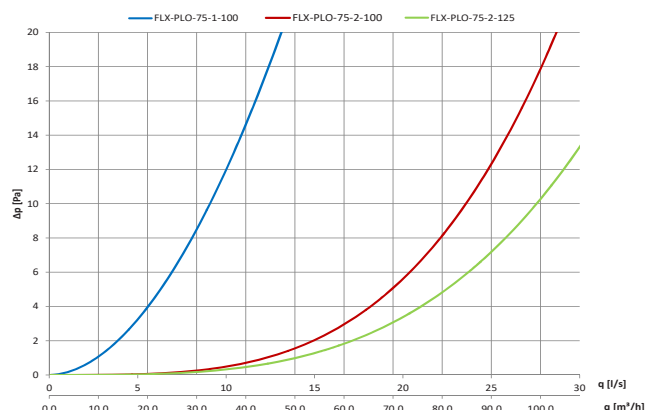
	A	B	C	L	D_1	d_1	n	d_2
FLX-PLO-EPP-L28-75-2-125-F	217.5	194	75	285	150	125	2	75
FLX-PLO-EPP-L30-75-4-...-F	514	320	86	300	150	125	4	75
FLX-PLO-EPP-L30-75-4-...-F	514	320	86	300	190	160	4	75
FLX-PLO-EPP-L30-75-4-...-F	514	320	86	300	230	200	4	75

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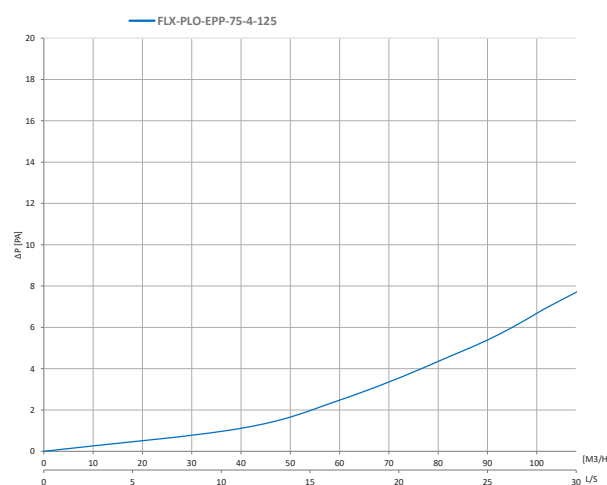
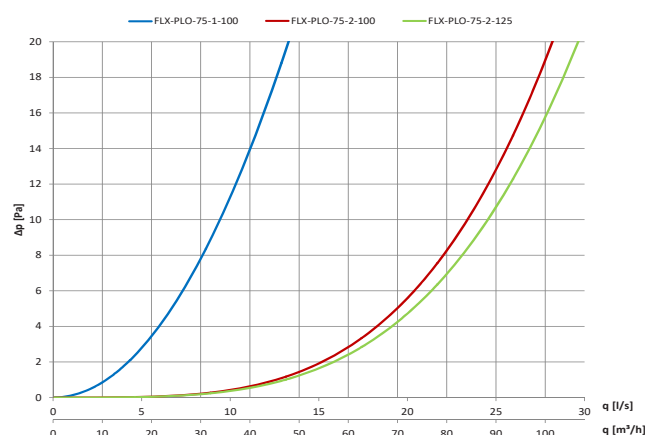
FLX-PLO-EPP-L

Technical data

Pressure drop diagram for the supply plenum box: Ø100, Ø125



Pressure drop diagram for an exhaust plenum box: Ø100, Ø125



Service temperature	-25°C do +80°C	PN-EN 17192:2019
Reaction to fire	E	EN 13501-1
Thermal conductivity	$\lambda = 0,0038 \text{ W/(m}\cdot\text{k)}$	PN-EN 12664:2002
Microbial resistance	1a	Metoda A PN-EN ISO 846:2019

Performance versions:

FLX-PLO-EPP-L28-75-2-125-F



FLX-PLO-EPP-L30-75-4-...-F

