



Semi-rigid ducting

**FLX-HDPE/FLX-HDPE-A****Description**

FLX-HDPE and anti-bacterial FLX-HDPE-A plastic ducts are used to air distribution in domestic ventilation systems. Relatively small diameters allow to hide the installation in ceilings, screeds or suspended ceilings. FLX-HDPE and FLX-HDPE-A semi-rigid ducts are connected to other system components like plenum boxes or distribution boxes with a simple push fit connection. Application of seals on the FLX-PLO plenum boxes' spigots guarantees high air tightness system. FLX-HDPE and FLX-HDPE-A semi-rigid ducting is made of high-impact polyethylene. This makes the entire ventilation ductwork very durable. FLX-HDPE-A ducts are complying with European norm **EN 17192:2018** for rigid or semi-rigid non-metallic ductwork, which defines the test methods and performance characteristics like airtightness, pressure drop, reaction to fire, resistance to external pressure, thermal resistance and microbial resistance.

 FLX-HDPE-A with antimicrobial coating tested to EN ISO 22196:2011

 FLX-HDPE-75 hoses without antimicrobial coating are grey in colour.

The semi-rigid ducting is delivered in 50-metre long coils.

**Dimensions of the coil:**

FLX-HDPE-A-50: 1200cm x 40cm

FLX-HDPE-A-63: 1200cm x 40cm

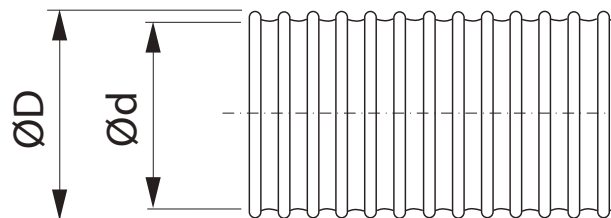
FLX-HDPE-75/FLX-HDPE-A-75: 1100cm x 40cm

FLX-HDPE-90/FLX-HDPE-A-90: 1400cm x 50cm

**Product code example**

Product code: **FLX - HDPE - 75**

type \_\_\_\_\_  
material \_\_\_\_\_  
diameter \_\_\_\_\_

**Dimensions**

Product code	ØD [mm]	Ød [mm]	Bend radius [m]	Weight [kg]
FLX-HDPE-A-50	50	41	0.23	0.23
FLX-HDPE-A-63	63	51	0.26	0.26
FLX-HDPE-75	75	63	0.29	0.31
FLX-HDPE-A-75	75	63	0.29	0.31
FLX-HDPE-90	90	75	0.33	0.42
FLX-HDPE-A-90	90	75	0.33	0.42

For FLX-HDPE-75/FLX-HDPE-A-75 ducts a special cutter FLX-CUTTER-75 is available for sale.

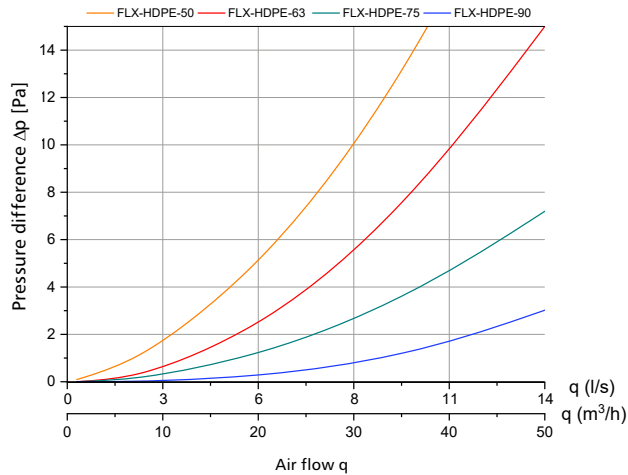


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### Technical data

Pressure drop for 50, 63, 75 and 90mm ducts, straight section L=1m



Characteristics of the product according to EN 17192:2018

Air tightness class	ATC 2 (D)	EN 12237
Service temperature	STL -20°C to STH +100°C	EN 17192:2019-01
Reaction to fire class	E B	EN 13501-1 DIN 4102-1:1998-05
Resistance to external pressure	DN63mm: 343 N DN75mm: 394 N DN90mm: 366 N	EN 17192:2019-01
Thermal resistance	$\lambda \cdot m = 0,3900$ W/(m·k)	EN 12664:2002
Microbial resistance	R = 2,9	EN ISO 22196:2011