

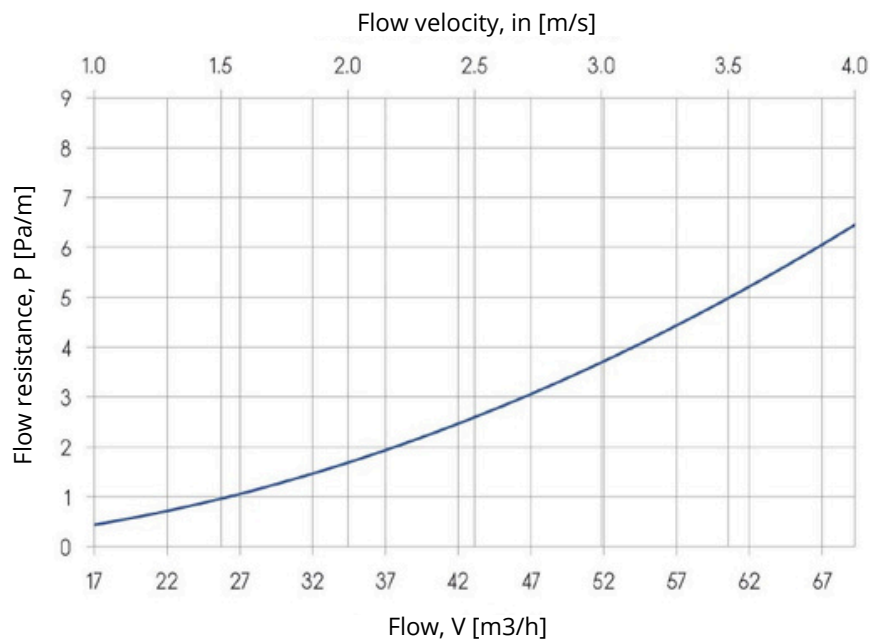
FLEXIBLE DUCTS VENTIFLEX VTX-DN 90 CONSTRUCTION TECHNOLOGY



Elastic ducts from PE for construction technologies

Scope of application	<p>VENTIFLEX ducts are designed for the construction of mechanical ventilation systems, so-called distributor ducts. Due to their enlarged internal diameter, they can pass up to 55 m³/h of air silently.</p> <p>These ducts can also be used to distribute cool air from a Ground-Therm GWC ground heat exchanger, as well as to distribute warm air, for example, for fireplace heating via a special heating system.</p> <p>Thanks to their small diameters, the ducts can be completely concealed in the floor under the screed, under plaster in frame construction, or in wall chases. Due to their high perimeter stiffness, they can also be cast in ceilings, for example, in filigree ceilings.</p>
Dimensions	<p>Outer diameter - 92mm Inner diameter - 78mm Minimum bend radius - 1D</p>
Resistance to external pressure	<p>Resistance to external pressure 143 N Pkt. 5.6 of Norm PN-EN 17192</p>
Type of duct	<p>Composite duct, double layer</p>
Material	<p>High-quality PE polyethylene (no recycled content added). Bactericidal and antistatic inner layer with added micro-silver, PZH certified: HK-K-0722-01-2017</p>
Pollution	<p>Only new, top-quality materials are used, without regrinding or recycling. PE is classified as a safe substance for health reasons and toxicologically harmless in accordance with Directive 1999/45/EC.</p>
Operating temperature	<p>Min. - 25 C degree / Max. 70 C degree Pkt. 5.4 of Norm PN-EN 17192</p>
Pipe length	<p>50m flexible ring products. The duct ends are sealed with caps to prevent contamination.</p>
Color	<p>Outer duct: beige Inner duct: white</p>
Storage	<p>For products packaged in black bags (UV stabilized), outdoor storage is possible for up to 12 months.</p>
National technical specification	<p>7a. Polish Product Norm: PN-EN 17192:2029-01</p>

Tightness	Class : ATC 3 Pkt. 5.2 od Norm PN-EN 17192
Reaction to fire	Class: E Pkt. 5.5 of Norm PN-EN 17192, PN-EN 13501-1
Microbiological activity	The sample demonstrates antibacterial activity against the reference bacterial strains used: Escherichia coli R=2,09 and Staphylococcus aureus R=4,57 Pkt. 5.8 of Norm PN-EN 18192, ISO 22196:2011
Flow resistance	4Pa/mb at a flow of approximately 55m ³ /h Pkt. 5.3 of Norm PN-EN 17192



Ground-Therm Sp. z o.o.
ul. Podmiejska 35
41-904 Piekary Śląskie
Poland
tel. +48 32 231 80 20
biuro@ground-therm.com