

# AirflexPro Round 75mm & Elliptical 114 x 51mm



## KEY FEATURES

- Quick to plan and easy to fit semi rigid system
- Saves up to 70% installation time on site
- Lightweight, tough, durable and conveniently supplied in rolls (50 m AirflexPro round & 20 m AirflexPro elliptical)
- Unique crushability up to 8 kN/m<sup>2</sup>, so duct can be run in screeds or embedded in concrete for a permanent non degrading installation
- Anti-static inner coating prohibits dust from collecting within the ducting
- Antibacterial lining improves hygienic conditions
- Low resistance, air safe smooth bore lining delivers low system pressure enabling longer duct runs without increased air noise
- Ideal to use as part of the complete MVHR system ventilation design
- Consistent hydraulic performance for round and elliptical ducting



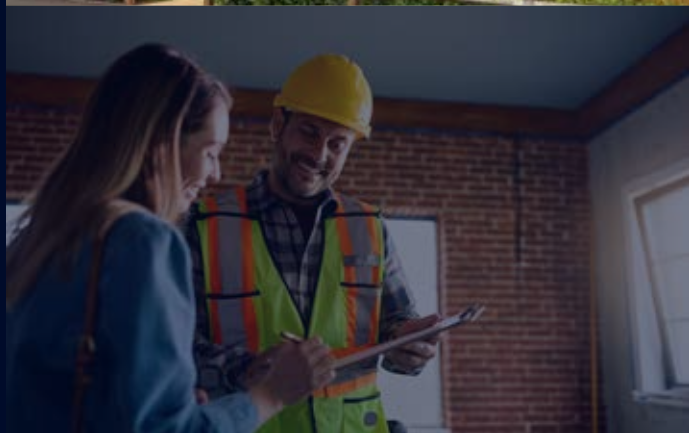
AirflexPro 75mm semi-rigid ducting can reduce on-site installation time by up to 70% while delivering lower system pressure losses than traditional rigid or flexible ducting. This innovative system uses low resistance, smooth bore, antibacterial round and elliptical tubes which connect to each room from the MVHR unit via a distribution box.

The AirflexPro elliptical pipe is designed with equal hydraulic performance to AirflexPro round pipe, making the two fully interchangeable. This allows both round and elliptical ducting to be incorporated into the same installation without compromising system performance.

The system has been tested by the independent Building Research Establishment (BRE) and is listed on their Standard Assessment Procedure (SAP) Appendix Q product compendium.

## MODELS

| Colours | Sizes                                                                             |
|---------|-----------------------------------------------------------------------------------|
| Red     | AirflexPro Round (Ø75 mm x 50 M)<br>AirflexPro Elliptical (51 mm x 114 mm x 20 M) |
| Blue    | AirflexPro Round (Ø75 mm x 50 M)                                                  |

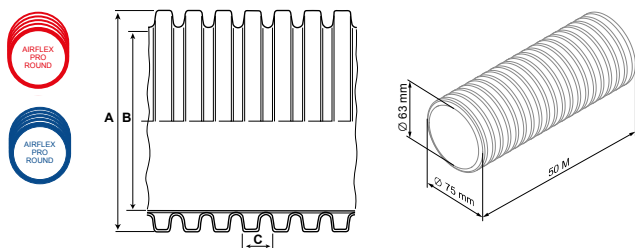


## TECHNICAL DATA

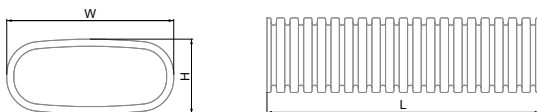
| Specification                            | AirflexPro Round                                                                                                      |               | AirflexPro Elliptical                |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|
| Inner Diameter                           | 63 mm                                                                                                                 |               | 102 x 39 mm                          |
| Outer Diameter                           | 75 mm                                                                                                                 |               | 114 x 51 mm                          |
| Duct Thickness                           | 6 mm                                                                                                                  |               |                                      |
| Max Air Volume (allowed)                 | 30 m³/h                                                                                                               |               |                                      |
| Max Air Velocity (allowed)               | 2.7 m/s                                                                                                               |               |                                      |
| Max Pressure Drop (allowed)              | 3 Pa/m                                                                                                                |               |                                      |
| Noise Absorption (of distribution boxes) | >15 dB according to DIN EN ISO 11820                                                                                  |               | N/A                                  |
| Material                                 | Outside Polyethylene PE-HD, Inside Polyethylene PE-LD, antistatic, antibacterial, non-toxic                           |               |                                      |
| Fire Rating                              | DIN 4102-4 Class B2 & EN 13501-1 Class E                                                                              |               |                                      |
| Type of pipe                             | Twin wall pipe with smooth inner and corrugated outer wall (outer wall reinforced by corrugations)                    |               |                                      |
| Crushability                             | 8 kN / m²                                                                                                             |               |                                      |
| Operation Conditions                     | from -25°C to +60°C                                                                                                   |               |                                      |
| Inside Bending Radius                    | 153 mm                                                                                                                |               | Horizontal: 342 mm / 200 mm Vertical |
| Length per Coil*                         | 50 m                                                                                                                  |               | 20 m                                 |
| Connection with Sealing Ring             | air- and watertight according to DIN EN 1610                                                                          |               |                                      |
| Storage                                  | UV stabilized. Outdoor storage up to 6 months possible. It is recommended that the storing place be roofed or covered |               |                                      |
| Part No                                  | 9041130                                                                                                               | 90001379      | 90000255                             |
| EAN                                      | 5019009305646                                                                                                         | 5019009328386 | 5019009312392                        |
| Weight (kg)                              | 15                                                                                                                    | 16.8          | 8.63                                 |

\*Pipe ends are closed by caps to avoid pollution

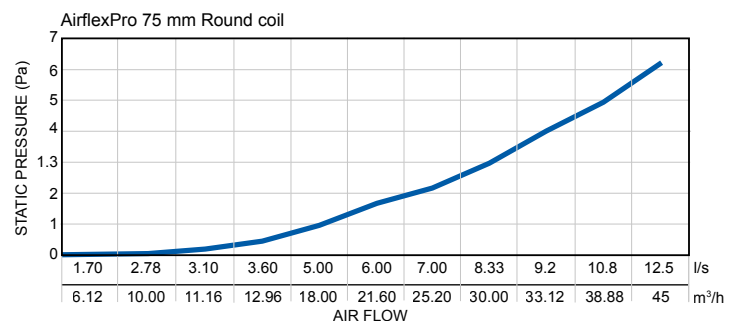
## DIMENSIONS (mm)



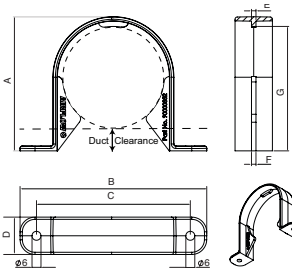
| Model                           | A      | B     | C    |
|---------------------------------|--------|-------|------|
| AirflexPro 75 mm Round Red      | 75     | 63    | 9.9  |
| AirflexPro 75 mm Round Blue     | 75     | 63    | 9.9  |
|                                 | W      | H     | L    |
| AirflexPro 75 mm Elliptical Red | 114 mm | 51 mm | 20 M |



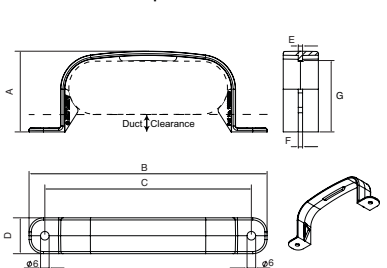
## PERFORMANCE



### AirflexPro round



### AirflexPro elliptical



## ACCESSORIES

|                                                                                                                          |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <p><b>90° Ceiling/Wall Plenum Round No: 90000250</b><br/>Ø125 mm Round ceiling or wall mounted plenum made from PVC.</p> | <p><b>90° Ceiling/Wall Plenum Oval No: 90000249</b><br/>Ø125 mm Oval ceiling or wall mounted plenum made from PVC.</p> |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                              |                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <p><b>15-Port Distribution Box No: 90002264</b><br/>Acoustic lined 15-Port distribution box with 200 mm duct connection.</p> | <p><b>9-Port Distribution Box No: 90002039</b><br/>Ceiling Integrated 9-Port distribution box with 160 mm duct connection.</p> |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|

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80001902 - Issue 1 08/26