
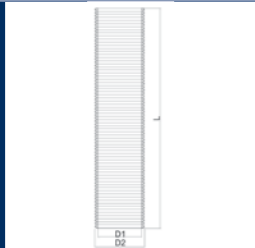
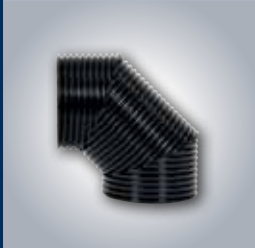
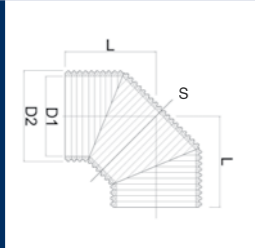








| Tube | System diameter 150 + 160 + 180 mm | | System diameter 125 mm |
|------|---|---|---|
| |  |  | Article code: HRV-B-200/170-SL/2M D1 170 mm D2 200 mm L 2.000 mm |

| Bend | System diameter 150 + 160 + 180 mm | | System diameter 125 mm |
|------|---|---|---|
| |  |  | Article code: HRV-B-200/170-B90°/45° D1 170 mm D2 200 mm L 201 mm S Line of demarcation for 45° curve |

| Connections | System diameter 150 + 160 + 180 mm | | System diameter 125 mm |
|---|--|---------------------------------------|---------------------------|
| |  | 200/170mm | 160/125mm |
| | 200/200 mm Article code: HRV-B-200/200-CON | 160/160 mm HRV-B-160/160-CON | |
|  | 200/180 mm Article code: HRV-B-200/180-CON | 160/125 mm HRV-B-160/125-CON SYM | |
| | 200/150 mm Article code: HRV-B-200/150-CON | 160/125 mm HRV-B-160/125-CON A-SYM | |

| Roof terminal | System diameter 150 + 160 + 180 mm | | System diameter 125 mm |
|---------------|---|------------------|---------------------------|
| |  | 200/170mm | 160/125 mm |
| | Article code: HRV-B-200/170-RT | HRV-B-160/125-RT | |

| Wall terminal | System diameter 150 + 160 + 180 mm | | System diameter 125 mm |
|---------------|---|------------------|---------------------------|
| |  | 200/170mm | 160/125 mm |
| | Article code: HRV-B-200/170-WT | HRV-B-160/125-WT | |

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Flexalen HRV™

Ideal solution for heat recovery



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Taking care of energy and the environment

■ **Ideal solution for heat recovery ventilation**



Innovative

Flexalen HRV is an innovative and sustainable insulated piping system that is developed to offer high-grade solutions to the increasing demands, in regard to thermal insulation and noise levels in living spaces, that are pinned to air technology systems with heat recovery application.

Insulation value

Flexalen HRV is composed from a state-of-the art, vapour-tight insulation foam attached to a solid, shockproof PE outer casing. Besides a great thermal insulation value, to prevent condensation, the piping system acts as an efficient noise compressor.

Ease of installation

The Flexalen HRV system is characterised by its simple, secure and quick assembly based on a newly developed linkage system. Through the application of these connections, an excellent airtightness is ensured. The patented linkage system guarantees a solid, safe and trouble free installation, with a minimum use of brackets. There are reducing connections, fitting all units with heat recovery in order to secure roof or wall-transportation.

Intelligent design

The ease of installation is based on an intelligent logistical concept. All possible piping connections can be realised with only 5 items from the Flexalen HRV assortment. In this way, Flexalen HRV requires minimum warehouse space and allows the installer to lay out a complete distribution network with fewer elements.

■ **Technical properties**

| | |
|---|--|
| Outer casing | Polyethylene Solid ring, dimensionally stable, mechanically strong and shockproof Outer diameter 160 and 200 mm Scent neutral Colour black |
| Inner sheath | Insulating polyolefin foam Vapour tight, closed cell structure, water repellent and vapour diffusion tight Inner diameter 125 and 170 mm Chemical constancy excellent Indentation resistance excellent No risk of corrosion, moss or mould forming due to water repellent inner sheath with 100% closed cell structure Easy to clean |
| Curvature, segment | Homogenous mirror welding procedure |
| Connections | EPDM rubber External connection Uppermost airtightness class |
| Noise compression through exterior case Conforms to DIN-EN-ISO 5135:1999 | Flexalen HRV 200/170 mm 14 dB(A) Flexalen HRV 160/125 mm 20 dB(A) |
| Thermal conductivity coefficient | 0,040 W/mK |
| Temperature scope | -40°C up to +95°C |
| Recyclability | 100% |
| Assembly | Place brace every 2 meters Attachment at roof duct and wall duct Pipes can easily be shortened by saw in right-angle |

■ **Pressure loss**

NEN-EN-ISO 7235:2009 Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - insertion loss, flow noise and total pressure loss (ISO 7235:2003, IDT)

