

## TECHNICAL DATA SHEET



Flexible hose made from addivated polyolefin resin film and anti-bacterial/anti-mildew master and steel wire helix. Thermo-insulating covering in polyester fibre (thickness 25mm / density 16 kg/m<sup>3</sup>). Outer aluminized film protection (flame retardant). Lengths: from 10m standard.

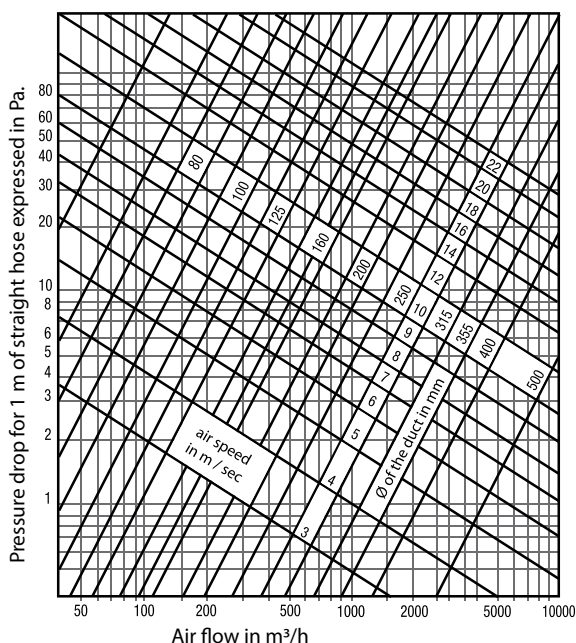
**CERTIFICATIONS:** Fire Reaction - Non-toxicity of fumes - Thermal insulation and sound absorption - Bacterial abatement certificate



| Size             | Code    |
|------------------|---------|
| DN 100 mm x 10 m | 7045340 |
| DN 125 mm x 10 m | 7045341 |
| DN 160 mm x 10 m | 7045343 |
| DN 200 mm x 10 m | 7045344 |

| Specifications      |  |
|---------------------|--|
| Colour              | Inner hose Grey - Sheath Aluminum  |
| Working Temperature | -20°C/+90°C (+110°C peak)  |
| Curvature Radius    | 0,8 - 1,5 x Ø  |
| Air Speed           | max 20 m/s   |
| Pressure            | max 200 mm wc  |
| Fire Reaction       | ITALIAN CLASS: Class 1 (D.M. 26/06/84)<br>EUROCLASS: Internal Hose Class B-s1, d0 (EN 13823:2010)<br>Thermo-Insulating Covering Class B-s2, d0 (UNI EN 13501-1:2009) |

### PRESSURE DROP DIAGRAM (TEMPERATURE AIR 20°)



#### Examples of calculation of low rates and pressure drop

##### Air speed 4 m/s

| Ø mm | Air Flow m <sup>3</sup> /h | Pressure drop Pa |
|------|----------------------------|------------------|
| 102  | 117                        | 3,9              |
| 127  | 182                        | 3                |
| 160  | 289                        | 2,3              |
| 203  | 465                        | 1,7              |

#### Examples of calculation of low rates and pressure drop

##### Air speed 5 m/s

| Ø mm | Air Flow m <sup>3</sup> /h | Pressure drop Pa |
|------|----------------------------|------------------|
| 102  | 147                        | 6,2              |
| 127  | 228                        | 4,9              |
| 160  | 361                        | 3,6              |
| 203  | 582                        | 2,7              |

