

# Ultra flexible polyethylene ducted pipe double wall thermal - phonic

- cod. 11154080 - cod. 11154102 - cod. 11154127  
- cod. 11154140 - cod. 11154152 - cod. 11154160  
- cod. PWC400020 - cod. 11154180 - cod. 11154204  
- cod. 11154254 - cod. 11154305 - cod. 11154356  
- cod. 11154457



## DESCRIPTION

Duct consisting of an inner polyethylene tubing reinforced with spiral-wound steel wire. The thermal insulation is made of glass wool coated with a polyethylene sheet. Thanks to its exceptional flexibility, it is easy to install on circular and oval connectors.

## TECHNICAL SPECIFICATIONS:

- Operating temperature: -20°C to +70°C
- Bending radius 1 times the diameter
- Internal/external air duct: black polyethylene
- Insulation material: glass fibre thickness 25 mm density 16 kg/m<sup>3</sup>
- Conforms to EN 13180

## STRUCTURE

- 1 polyethylene layer thickness 100 m
- Spiral made of spring steel wire incorporated between the layers

Thanks to its exceptional flexibility, it is easy to install on circular and oval connectors.

Central duct:

- 1 polyethylene layer thickness 100 m
- Spiral made of spring steel wire

Insulation: glass wool thickness 25 mm and density 16 kg/m<sup>3</sup>

Duct exterior:

- 1 polyethylene layer thickness 100 m

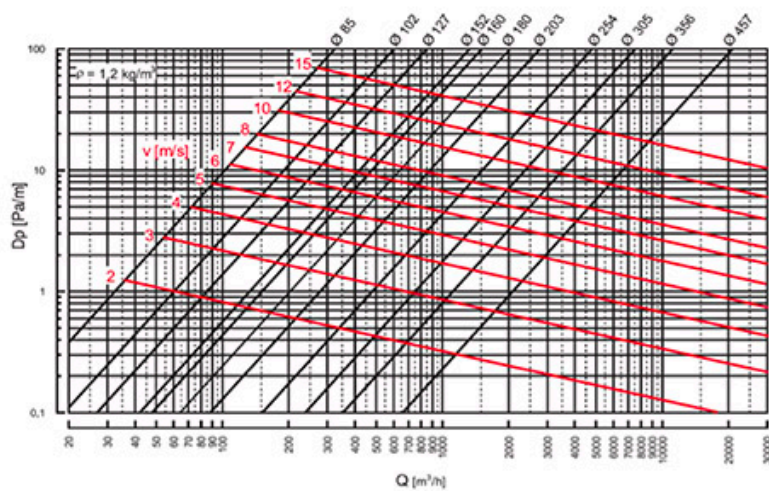
## APPLICATIONS

- Air conditioning
- Ventilation for kitchens and bathrooms

## DIMENSIONS

| CODE      | INTERNAL Ø [mm] |
|-----------|-----------------|
| 11154080  | 82              |
| 11154102  | 102             |
| 11154127  | 127             |
| 11154140  | 140             |
| 11154152  | 152             |
| 11154160  | 160             |
| PWC400020 | 165             |
| 11154180  | 180             |
| 11154204  | 203             |
| 11154254  | 254             |
| 11154305  | 305             |
| 11154356  | 356             |
| 11154457  | 457             |

## DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE DUCTING



## ACOUSTIC ATTENUATION FOR DUCTED FLEXIBLE THERMAL HOSE - PHONIC HOSE IN DOUBLE-WALLED ALUMINIUM

| 1m  | [Hz] |     |     |     |      |      |
|-----|------|-----|-----|-----|------|------|
|     | Ø    | 125 | 250 | 500 | 1000 | 2000 |
| 100 | 15   | 21  | 25  | 34  | 29   | 31   |
| 125 | 13   | 21  | 24  | 26  | 26   | 31   |
| 160 | 8    | 12  | 29  | 28  | 27   | 31   |
| 200 | 6    | 13  | 23  | 22  | 27   | 23   |
| 250 | 10   | 17  | 19  | 19  | 21   | 14   |
| 315 | 16   | 18  | 17  | 19  | 16   | 10   |
| 406 | 9    | 17  | 15  | 20  | 10   | 5    |

| 2m  | [Hz] |     |     |     |      |      |
|-----|------|-----|-----|-----|------|------|
|     | Ø    | 125 | 250 | 500 | 1000 | 2000 |
| 100 | 17   | 22  | 25  | 43  | 48   | 31   |
| 125 | 13   | 21  | 26  | 34  | 37   | 32   |
| 160 | 15   | 17  | 27  | 35  | 44   | 36   |
| 200 | 11   | 21  | 26  | 39  | 29   | 34   |
| 250 | 7    | 17  | 24  | 27  | 27   | 23   |
| 315 | 13   | 21  | 20  | 22  | 24   | 16   |
| 406 | 14   | 16  | 16  | 22  | 16   | 8    |

| 3m  | [Hz] |     |     |     |      |      |
|-----|------|-----|-----|-----|------|------|
|     | Ø    | 125 | 250 | 500 | 1000 | 2000 |
| 100 | 17   | 28  | 39  | 43  | 48   | 32   |
| 125 | 18   | 27  | 38  | 41  | 44   | 33   |
| 160 | 17   | 25  | 37  | 39  | 37   | 37   |
| 200 | 21   | 23  | 35  | 38  | 36   | 39   |
| 250 | 10   | 20  | 30  | 32  | 28   | 32   |
| 315 | 18   | 21  | 25  | 30  | 28   | 23   |
| 406 | 18   | 17  | 18  | 22  | 20   | 13   |

### ITEMS

| CODE      | DESCRIPTION  |
|-----------|--|
| 11154080  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 82        |
| 11154102  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 102       |
| 11154127  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 127       |
| 11154140  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 140       |
| 11154152  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 152       |
| 11154160  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 160       |
| PWC400020 | ULTRA FLEXIBLE THERMAL-PHONE POLYETHYLENE DOUBLE-PARTIC PIPING HOSE Ø165 mm L.10 m |
| 11154180  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 185       |
| 11154204  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 203       |
| 11154254  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 254       |
| 11154305  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 305       |
| 11154356  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 356       |
| 11154457  | TWIN-WALL POLYETHYLEN ACOUSTIC THERMALLY INSULATED ULTRA-FLEXIBLE DUCT Ø 457       |

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