

DATASHEET

rev. 05 - 27/11/2023

Simple armored aluminium flexible ducted flexible hose

11151080 - 11151102 - 11151127
11151140 - 11151152 - 11151160
PWC400015 - 11151180 - 11151204
11151254 - 11151305 - 11151356
11151457 - 11151610



DESCRIPTION

Lightweight, flexible, non-insulated duct made from two sheets of rolled aluminium with one in polyester, all of it reinforced with spiral-wound steel wire.

Thanks to its exceptional flexibility it can be easily installed on circular and oval collars.

Made of:

2 layers of aluminium thickness 7 m

1 polyester layer thickness 12 m

Spiral made of spring steel wire incorporated between the layers

TECHNICAL SPECIFICATIONS:

- Operating temperature -30°C to +140°C
- Length 10 m
- Recommended minimum bending radius 0.6 D
- Ø from 85 to 457 mm
- Operating pressure max 5000 Pa
- Reaction to fire:
 - DIN 4102 category B1
 - UI 723 class 1
 - NF P92-507:2004 M1
- Conforms to EN 13180

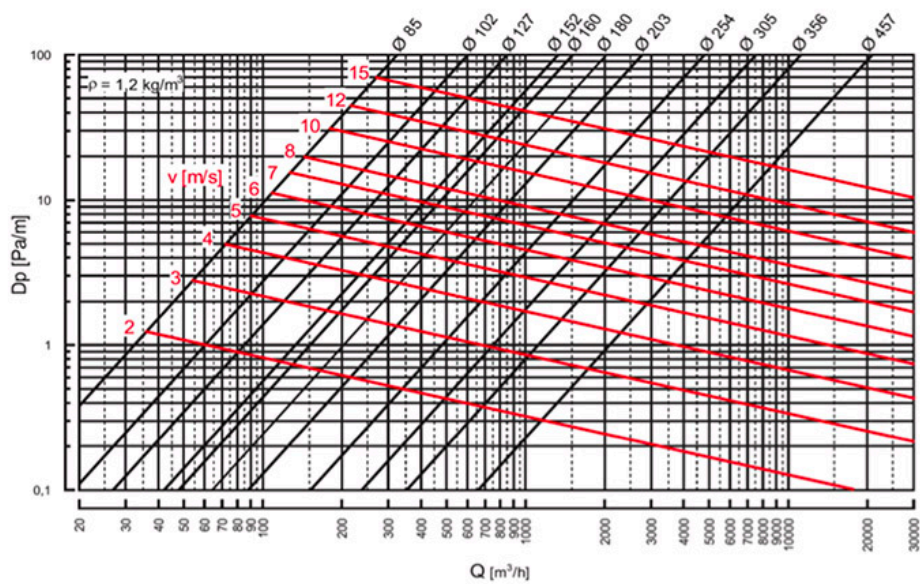
APPLICATIONS

- Air conditioning
- Thermal-ventilation
- Ventilation for kitchens and bathrooms
- Dryers

DIMENSIONS

| CODE | INTERNAL Ø [mm] |
|-----------|-----------------|
| 11151080 | 85 |
| 11151102 | 102 |
| 11151127 | 127 |
| 11151140 | 140 |
| 11151152 | 152 |
| 11151160 | 160 |
| PWC400015 | 165 |
| 11151180 | 180 |
| 11151204 | 203 |
| 11151254 | 254 |
| 11151305 | 305 |
| 11151356 | 356 |
| 11151457 | 457 |
| 11151610 | 610 |

DISTRIBUTED LOAD LOSSES FOR FULLY EXTENDED FLEXIBLE DUCTING



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

| 1m | [Hz] | | | | | |
|-----|------|-----|-----|------|------|------|
| Ø | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 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 | 4000 |
| 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 | 4000 |
| 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 |
|-----------|--|
| 11151080 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 82 |
| 11151102 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 102 |
| 11151127 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 127 |
| 11151140 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 140 |
| 11151152 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 152 |
| 11151160 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 160 |
| PWC400015 | |
| 11151180 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 180 |
| 11151204 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 203 |
| 11151254 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 254 |
| 11151305 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 305 |
| 11151356 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 356 |
| 11151457 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 457 |
| 11151610 | REINFORCED UNINSULATED ALUMINIUM FLEXIBLE DUCT Ø 610 |