



## PRODUCT TECHNICAL SPECIFICATION

### Product: SemiSono



#### Material:

**SemiSono** is a semi flexible sound attenuator consists of single layer corrugated perforated aluminium AL 99,5 inner duct and provided with a laminated aluminium and polyester outer jacket. The space between the inner and outer duct is filled with 25 mm sound absorbing material. The duct is in 3 meter length without steel caps or fitted with stainless steel caps both ends. Caps are used for easy connection to any rigid ductwork, pipes and fittings.

#### Application:

**SemiSono** is designed for air conditioning systems, ventilation systems and machine noise reduction. Resolves the problems of measures inaccuracy and saves the time of installation and material.

#### Product construction:

The product Flexible duct „ **SemiSono** “include the following components:

- Inner core: 1 Layer of 0,09 mm semi flexible alu
- Insulation: a glass wool with 25 mm thick and 16 kg/m<sup>3</sup> density
- Outer core: 3 Layers - 1 layer of 7 µm Aluminium and 2 layers of 12 µm Polyester
- Non-Woven barrier between insulation and inner duct
- Optional :Stainless steel caps
- PVC ring (MM - 2 pcs, MF – 1 pcs)

#### Properties:

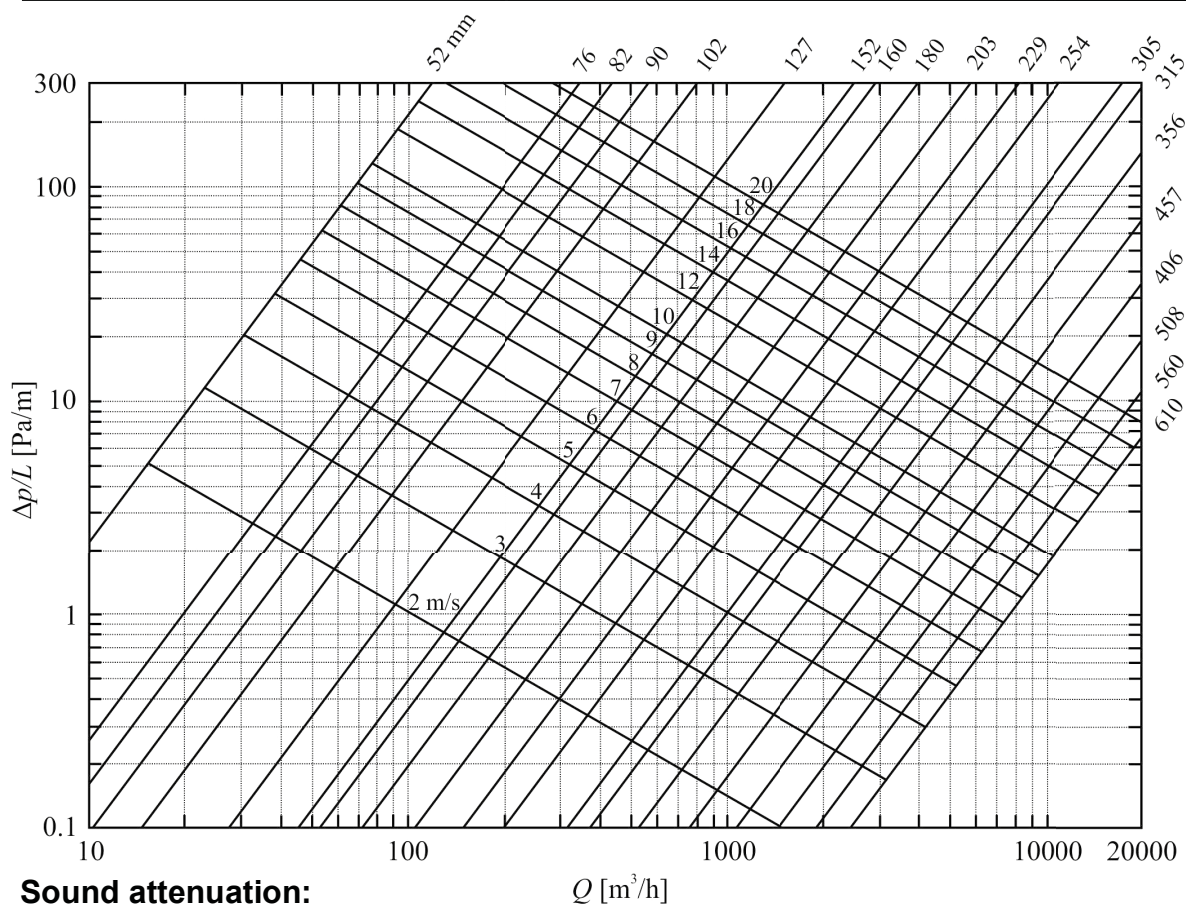
Good flexibility  
Good compression

#### Specification:

Product code: given in the table bellow,  
Temperature range: from -30° C to +140° C,  
Diameters: from 80 mm to 315 mm,  
Standard lengths: 0.5 m, 1 m, 1.5 m. and 3m



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Sound attenuation:

$Q$  [m³/h]

| SemiSono        |       |        |        |        |        |       |       |       |       |
|-----------------|-------|--------|--------|--------|--------|-------|-------|-------|-------|
| Insulation 25mm |       |        |        |        |        |       |       |       |       |
| Dn (mm)         | L (m) | f (Hz) |        |        |        |       |       |       |       |
|                 |       | 63 Hz  | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| 100             | 0,5   | 14     | 16     | 23     | 28     | 22    | 29    | 24    | 8     |
| 125             | 0,5   | 10     | 15     | 19     | 21     | 21    | 27    | 18    | 8     |
| 160             | 0,5   | 9      | 13     | 22     | 19     | 15    | 24    | 16    | 7     |
| 200             | 0,5   | 9      | 11     | 18     | 15     | 13    | 17    | 12    | 7     |
| 250             | 0,5   | 10     | 10     | 16     | 13     | 11    | 13    | 7     | 4     |
| 315             | 0,5   | 6      | 11     | 11     | 10     | 8     | 6     | 4     | 3     |
|                 |       |        |        |        |        |       |       |       |       |
| 100             | 1     | 13     | 17     | 30     | 38     | 35    | 40    | 39    | 18    |
| 125             | 1     | 13     | 19     | 34     | 31     | 32    | 33    | 30    | 16    |
| 160             | 1     | 16     | 21     | 28     | 26     | 30    | 30    | 25    | 16    |
| 200             | 1     | 9      | 16     | 28     | 21     | 23    | 31    | 16    | 13    |
| 250             | 1     | 14     | 23     | 21     | 19     | 20    | 28    | 10    | 9     |
| 315             | 1     | 10     | 21     | 17     | 16     | 19    | 19    | 9     | 6     |

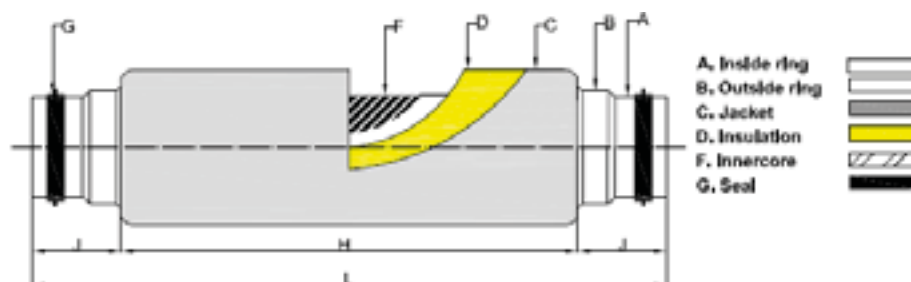


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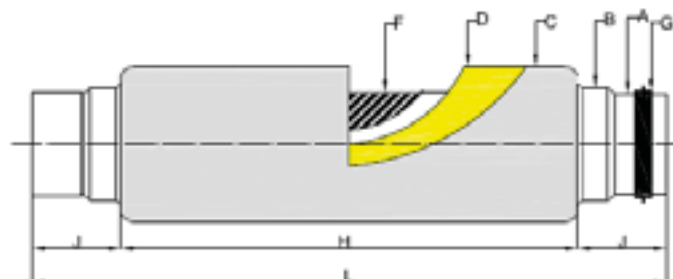
### Assembling info:

3 meter length without steel caps or with steel caps

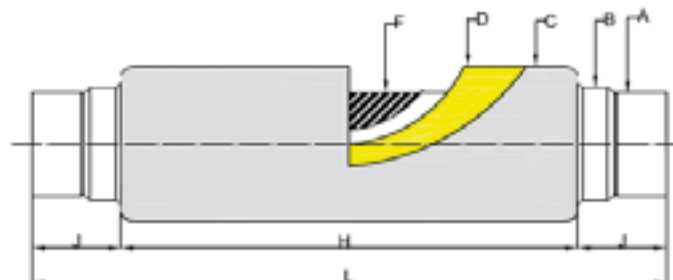
**MM**  
**Male - Male**



**MF**  
**Male - Female**



**FF**  
**Female- Female**





## PRODUCT TECHNICAL SPECIFICATION

**Table: Ordering information**

| Product code | Product name                         | Diam. | Length | Pallet dim. | Pcs. per box | Boxes per pall. | Bar code      |
|--------------|--------------------------------------|-------|--------|-------------|--------------|-----------------|---------------|
|              |                                      | mm    | m      | cm          |              |                 |               |
| CN1AC080/0.5 | SemiSono MM Acu - dia.080 mm x 0,5 m | 80    | 0.5    | 80x120      | 1            | 168             | 8605008345706 |
| CN1AC100/0.5 | SemiSono MM Acu - dia.100 mm x 0,5 m | 100   | 0.5    | 80x120      | 1            | 168             | 8605008345713 |
| CN1AC125/0.5 | SemiSono MM Acu - dia.125 mm x 0,5 m | 125   | 0.5    | 80x120      | 1            | 168             | 8605008345720 |
| CN1AC150/0.5 | SemiSono MM Acu - dia.150 mm x 0,5 m | 150   | 0.5    | 80x120      | 1            | 100             | 8605008345737 |
| CN1AC160/0.5 | SemiSono MM Acu - dia.160 mm x 0,5 m | 160   | 0.5    | 80x120      | 1            | 100             | 8605008345744 |
| CN1AC180/0.5 | SemiSono MM Acu - dia.180 mm x 0,5 m | 180   | 0.5    | 80x120      | 1            | 72              | 8605008345751 |
| CN1AC200/0.5 | SemiSono MM Acu - dia.200 mm x 0,5 m | 200   | 0.5    | 80x120      | 1            | 64              | 8605008345768 |
| CN1AC250/0.5 | SemiSono MM Acu - dia.250 mm x 0,5 m | 250   | 0.5    | 80x120      | 1            | 36              | 8605008345775 |
| CN1AC315/0.5 | SemiSono MM Acu - dia.315 mm x 0,5 m | 315   | 0.5    | 80x120      | 1            | 30              | 8605008345782 |
| CN1AC080/1.0 | SemiSono MM Acu - dia.080 mm x 1,0 m | 80    | 1      | 80x120      | 1            | 108             | 8605008345799 |
| CN1AC100/1.0 | SemiSono MM Acu - dia.100 mm x 1,0 m | 100   | 1      | 80x120      | 1            | 108             | 8605008345805 |
| CN1AC125/1.0 | SemiSono MM Acu - dia.125 mm x 1,0 m | 125   | 1      | 80x120      | 1            | 88              | 8605008345812 |
| CN1AC150/1.0 | SemiSono MM Acu - dia.150 mm x 1,0 m | 150   | 1      | 80x120      | 1            | 70              | 8605008345829 |
| CN1AC160/1.0 | SemiSono MM Acu - dia.160 mm x 1,0 m | 160   | 1      | 80x120      | 1            | 70              | 8605008345836 |
| CN1AC180/1.0 | SemiSono MM Acu - dia.180 mm x 1,0 m | 180   | 1      | 80x120      | 1            | 63              | 8605008345843 |
| CN1AC200/1.0 | SemiSono MM Acu - dia.200 mm x 1,0 m | 200   | 1      | 80x120      | 1            | 48              | 8605008345850 |
| CN1AC250/1.0 | SemiSono MM Acu - dia.250 mm x 1,0 m | 250   | 1      | 80x120      | 1            | 30              | 8605008345867 |
| CN1AC315/1.0 | SemiSono MM Acu - dia.315 mm x 1,0 m | 315   | 1      | 100x120     | 1            | 20              | 8605008345874 |
| CN1AC080/1.5 | SemiSono MM Acu - dia.080 mm x 1,5 m | 80    | 1.5    | 80x120      | 1            | 108             | 8605008345881 |
| CN1AC100/1.5 | SemiSono MM Acu - dia.100 mm x 1,5 m | 100   | 1.5    | 80x120      | 1            | 108             | 8605008345898 |
| CN1AC125/1.5 | SemiSono MM Acu - dia.125 mm x 1,5 m | 125   | 1.5    | 80x120      | 1            | 88              | 8605008345904 |
| CN1AC150/1.5 | SemiSono MM Acu - dia.150 mm x 1,5 m | 150   | 1.5    | 80x120      | 1            | 70              | 8605008345911 |
| CN1AC160/1.5 | SemiSono MM Acu - dia.160 mm x 1,5 m | 160   | 1.5    | 80x120      | 1            | 70              | 8605008345928 |
| CN1AC180/1.5 | SemiSono MM Acu - dia.180 mm x 1,5 m | 180   | 1.5    | 80x120      | 1            | 63              | 8605008345935 |
| CN1AC200/1.5 | SemiSono MM Acu - dia.200 mm x 1,5 m | 200   | 1.5    | 80x120      | 1            | 48              | 8605008345942 |
| CN1AC250/1.5 | SemiSono MM Acu - dia.250 mm x 1,5 m | 250   | 1.5    | 80x120      | 1            | 30              | 8605008345959 |
| CN1AC315/1.5 | SemiSono MM Acu - dia.315 mm x 1,5 m | 315   | 1.5    | 80x120      | 1            | 15              | 8605008345966 |



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|--------------|--------------------------------------|-------|--------|---------------|--------------|-----------------|---------------|
|              |                                      | mm    | m      | cm            |              |                 |               |
| CN2AC080/0.5 | SemiSono MF Acu - dia.080 mm x 0,5 m | 80    | 0.5    | 80x120        | 1            | 168             | 8605008345973 |
| CN2AC100/0.5 | SemiSono MF Acu - dia.100 mm x 0,5 m | 100   | 0.5    | 80x120        | 1            | 168             | 8605008345980 |
| CN2AC125/0.5 | SemiSono MF Acu - dia.125 mm x 0,5 m | 125   | 0.5    | 80x120        | 1            | 168             | 8605008345997 |
| CN2AC150/0.5 | SemiSono MF Acu - dia.150 mm x 0,5 m | 150   | 0.5    | 80x120        | 1            | 100             | 8605008346000 |
| CN2AC160/0.5 | SemiSono MF Acu - dia.160 mm x 0,5 m | 160   | 0.5    | 80x120        | 1            | 100             | 8605008346017 |
| CN2AC180/0.5 | SemiSono MF Acu - dia.180 mm x 0,5 m | 180   | 0.5    | 80x120        | 1            | 72              | 8605008346024 |
| CN2AC200/0.5 | SemiSono MF Acu - dia.200 mm x 0,5 m | 200   | 0.5    | 80x120        | 1            | 64              | 8605008346031 |
| CN2AC250/0.5 | SemiSono MF Acu - dia.250 mm x 0,5 m | 250   | 0.5    | 80x120        | 1            | 36              | 8605008346048 |
| CN2AC315/0.5 | SemiSono MF Acu - dia.315 mm x 0,5 m | 315   | 0.5    | 80x120        | 1            | 30              | 8605008346055 |
| CN2AC080/1.0 | SemiSono MF Acu - dia.080 mm x 1,0 m | 80    | 1      | 80x120        | 1            | 108             | 8605008346062 |
| CN2AC100/1.0 | SemiSono MF Acu - dia.100 mm x 1,0 m | 100   | 1      | 80x120        | 1            | 108             | 8605008346079 |
| CN2AC125/1.0 | SemiSono MF Acu - dia.125 mm x 1,0 m | 125   | 1      | 80x120        | 1            | 88              | 8605008346086 |
| CN2AC150/1.0 | SemiSono MF Acu - dia.150 mm x 1,0 m | 150   | 1      | 80x120        | 1            | 70              | 8605008346093 |
| CN2AC160/1.0 | SemiSono MF Acu - dia.160 mm x 1,0 m | 160   | 1      | 80x120        | 1            | 70              | 8605008346109 |
| CN2AC180/1.0 | SemiSono MF Acu - dia.180 mm x 1,0 m | 180   | 1      | 80x120        | 1            | 63              | 8605008346116 |
| CN2AC200/1.0 | SemiSono MF Acu - dia.200 mm x 1,0 m | 200   | 1      | 80x120        | 1            | 48              | 8605008346123 |
| CN2AC250/1.0 | SemiSono MF Acu - dia.250 mm x 1,0 m | 250   | 1      | 80x120        | 1            | 30              | 8605008346130 |
| CN2AC315/1.0 | SemiSono MF Acu - dia.315 mm x 1,0 m | 315   | 1      | 100x120       | 1            | 20              | 8605008346147 |
| CN2AC080/1.5 | SemiSono MF Acu - dia.080 mm x 1,5 m | 80    | 1.5    | 80x120        | 1            | 108             | 8605008346062 |
| CN2AC100/1.5 | SemiSono MF Acu - dia.100 mm x 1,5 m | 100   | 1.5    | 80x120        | 1            | 108             | 8605008346079 |
| CN2AC125/1.5 | SemiSono MF Acu - dia.125 mm x 1,5 m | 125   | 1.5    | 80x120        | 1            | 88              | 8605008346086 |
| CN2AC150/1.5 | SemiSono MF Acu - dia.150 mm x 1,5 m | 150   | 1.5    | 80x120        | 1            | 70              | 8605008346093 |
| CN2AC160/1.5 | SemiSono MF Acu - dia.160 mm x 1,5 m | 160   | 1.5    | 80x120        | 1            | 70              | 8605008346109 |
| CN2AC180/1.5 | SemiSono MF Acu - dia.180 mm x 1,5 m | 180   | 1.5    | 80x120        | 1            | 63              | 8605008346116 |
| CN2AC200/1.5 | SemiSono MF Acu - dia.200 mm x 1,5 m | 200   | 1.5    | 80x120        | 1            | 48              | 8605008346123 |
| CN2AC250/1.5 | SemiSono MF Acu - dia.250 mm x 1,5 m | 250   | 1.5    | 80x120        | 1            | 30              | 8605008346130 |
| CN2AC315/1.5 | SemiSono MF Acu - dia.315 mm x 1,5 m | 315   | 1.5    | 80x120        | 1            | 15              | 8605008346147 |



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|--------------|--------------------------------------|-------|--------|---------------|--------------|-----------------|---------------|
|              |                                      | mm    | m      | cm            |              |                 |               |
| CN3AC080/0.5 | SemiSono FF Acu - dia.080 mm x 0,5 m | 80    | 0.5    | 80x120        | 1            | 168             | 8605008346246 |
| CN3AC100/0.5 | SemiSono FF Acu - dia.100 mm x 0,5 m | 100   | 0.5    | 80x120        | 1            | 168             | 8605008346253 |
| CN3AC125/0.5 | SemiSono FF Acu - dia.125 mm x 0,5 m | 125   | 0.5    | 80x120        | 1            | 168             | 8605008346260 |
| CN3AC150/0.5 | SemiSono FF Acu - dia.150 mm x 0,5 m | 150   | 0.5    | 80x120        | 1            | 100             | 8605008346277 |
| CN3AC160/0.5 | SemiSono FF Acu - dia.160 mm x 0,5 m | 160   | 0.5    | 80x120        | 1            | 100             | 8605008346284 |
| CN3AC180/0.5 | SemiSono FF Acu - dia.180 mm x 0,5 m | 180   | 0.5    | 80x120        | 1            | 72              | 8605008346291 |
| CN3AC200/0.5 | SemiSono FF Acu - dia.200 mm x 0,5 m | 200   | 0.5    | 80x120        | 1            | 64              | 8605008346307 |
| CN3AC250/0.5 | SemiSono FF Acu - dia.250 mm x 0,5 m | 250   | 0.5    | 80x120        | 1            | 36              | 8605008346314 |
| CN3AC315/0.5 | SemiSono FF Acu - dia.315 mm x 0,5 m | 315   | 0.5    | 80x120        | 1            | 30              | 8605008346321 |
| CN3AC080/1.0 | SemiSono FF Acu - dia.080 mm x 1,0 m | 80    | 1      | 80x120        | 1            | 108             | 8605008346338 |
| CN3AC100/1.0 | SemiSono FF Acu - dia.100 mm x 1,0 m | 100   | 1      | 80x120        | 1            | 108             | 8605008346345 |
| CN3AC125/1.0 | SemiSono FF Acu - dia.125 mm x 1,0 m | 125   | 1      | 80x120        | 1            | 88              | 8605008346352 |
| CN3AC150/1.0 | SemiSono FF Acu - dia.150 mm x 1,0 m | 150   | 1      | 80x120        | 1            | 70              | 8605008346369 |
| CN3AC160/1.0 | SemiSono FF Acu - dia.160 mm x 1,0 m | 160   | 1      | 80x120        | 1            | 70              | 8605008346376 |
| CN3AC180/1.0 | SemiSono FF Acu - dia.180 mm x 1,0 m | 180   | 1      | 80x120        | 1            | 63              | 8605008346383 |
| CN3AC200/1.0 | SemiSono FF Acu - dia.200 mm x 1,0 m | 200   | 1      | 80x120        | 1            | 48              | 8605008346390 |
| CN3AC250/1.0 | SemiSono FF Acu - dia.250 mm x 1,0 m | 250   | 1      | 80x120        | 1            | 30              | 8605008346406 |
| CN3AC315/1.0 | SemiSono FF Acu - dia.315 mm x 1,0 m | 315   | 1      | 100x120       | 1            | 20              | 8605008346413 |
| CN3AC080/1.5 | SemiSono FF Acu - dia.080 mm x 1,5 m | 80    | 1.5    | 80x120        | 1            | 108             | 8605008346420 |
| CN3AC100/1.5 | SemiSono FF Acu - dia.100 mm x 1,5 m | 100   | 1.5    | 80x120        | 1            | 108             | 8605008346437 |
| CN3AC125/1.5 | SemiSono FF Acu - dia.125 mm x 1,5 m | 125   | 1.5    | 80x120        | 1            | 88              | 8605008346444 |
| CN3AC150/1.5 | SemiSono FF Acu - dia.150 mm x 1,5 m | 150   | 1.5    | 80x120        | 1            | 70              | 8605008346451 |
| CN3AC160/1.5 | SemiSono FF Acu - dia.160 mm x 1,5 m | 160   | 1.5    | 80x120        | 1            | 70              | 8605008346468 |
| CN3AC180/1.5 | SemiSono FF Acu - dia.180 mm x 1,5 m | 180   | 1.5    | 80x120        | 1            | 63              | 8605008346475 |
| CN3AC200/1.5 | SemiSono FF Acu - dia.200 mm x 1,5 m | 200   | 1.5    | 80x120        | 1            | 48              | 8605008346482 |
| CN3AC250/1.5 | SemiSono FF Acu - dia.250 mm x 1,5 m | 250   | 1.5    | 80x120        | 1            | 30              | 8605008346499 |
| CN3AC315/1.5 | SemiSono FF Acu - dia.315 mm x 1,5 m | 315   | 1.5    | 80x120        | 1            | 15              | 8605008346505 |



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### Packaging information:

L = the position of the label in the upper left corner, straight to the edges



**Label on box: White color, 70x90mm**