



# SRA200150

**Características:** silenciador de absorción.

**Construcción:** caja de acero galvanizado. Aislante de lana mineral de 70 kg/m<sup>3</sup>.

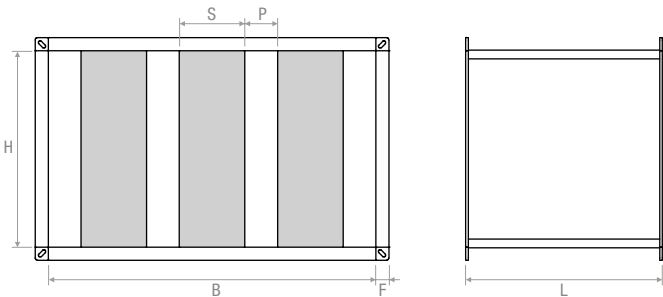
- Perfil de brida de 25 mm para silenciadores con perímetro < 6 m.
- Perfil de brida de 40 mm para silenciadores con perímetro > de 6 m.
- Tabiques de 200 mm.
- Pasos de aire de 150 mm.

**Characteristics:** rectangular sound attenuator.

**Finishing:** casing in galvanized steel. Splitter in mineral wool 70 kg/mc.

- 25 mm flange profile for sound attenuator with a perimeter < 6 m.
- 40 mm flange profile for sound attenuator with a perimeter > 6 m.
- Splitters: 200 mm.
- Airflows: 150 mm.

## DIBUJOS | DRAWINGS



|          |                                          |
|----------|------------------------------------------|
| <b>B</b> | Base   Base                              |
| <b>H</b> | Altura   Height                          |
| <b>L</b> | Longitud   Length                        |
| <b>S</b> | Espesor del tabique   Thickness splitter |
| <b>P</b> | Paso de aire   Airflow                   |
| <b>F</b> | Brida   Flange                           |

## EJEMPLO SELECCIÓN SILENCIADOR | SOUND ATTENUATOR SAMPLE SELECTION

|                                      |                |       |     |     |     |      |      |      |      |
|--------------------------------------|----------------|-------|-----|-----|-----|------|------|------|------|
| Caudal de aire   Air flow            | mc/h           | 23330 |     |     |     |      |      |      |      |
| Base   Base                          | mm             | 1400  |     |     |     |      |      |      |      |
| Altura   Height                      | mm             | 1200  |     |     |     |      |      |      |      |
| Longitud   Length                    | mm             | 2100  |     |     |     |      |      |      |      |
| Free area                            | m <sup>2</sup> | 0,72  |     |     |     |      |      |      |      |
| Velocidad efectiva   Effective speed | m/s            | 9     |     |     |     |      |      |      |      |
| Pérdida de carga   Pressure drop     | pa             | 45    |     |     |     |      |      |      |      |
| Atenuación   Attenuation             | Hz             | 63    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|                                      | dB(A)          | 4     | 9   | 24  | 40  | 50   | 43   | 23   | 13   |

## ATENUACIÓN POR INSERCIÓN | INSERTION LOSS

| Longitud   Length mm | dB                               |     |     |     |      |      |      |      |
|----------------------|----------------------------------|-----|-----|-----|------|------|------|------|
|                      | Frecuencia (Hz)   Frequency (Hz) |     |     |     |      |      |      |      |
|                      | 63                               | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 600                  | 2                                | 4   | 8   | 12  | 17   | 15   | 11   | 8    |
| 900                  | 2                                | 6   | 13  | 22  | 28   | 24   | 15   | 10   |
| 1200                 | 2                                | 6   | 15  | 16  | 34   | 28   | 17   | 11   |
| 1500                 | 3                                | 7   | 19  | 31  | 39   | 34   | 19   | 11   |
| 1800                 | 3                                | 8   | 22  | 35  | 46   | 39   | 21   | 12   |
| 2100                 | 4                                | 9   | 24  | 40  | 50   | 43   | 23   | 13   |

## PÉRDIDAS DE CARGA | PRESSURE DROP

| Longitud   Length mm | pa                                          |   |    |    |    |    |     |     |
|----------------------|---------------------------------------------|---|----|----|----|----|-----|-----|
|                      | Velocidad de cruce m/s   Crossing Speed m/s |   |    |    |    |    |     |     |
|                      | 2                                           | 4 | 6  | 8  | 10 | 12 | 14  | 16  |
| 600                  | 2                                           | 6 | 14 | 26 | 40 | 58 | 79  | 103 |
| 900                  | 2                                           | 7 | 16 | 29 | 45 | 65 | 89  | 116 |
| 1200                 | 2                                           | 7 | 17 | 30 | 47 | 70 | 95  | 123 |
| 1500                 | 2                                           | 8 | 18 | 32 | 50 | 73 | 99  | 129 |
| 1800                 | 2                                           | 8 | 19 | 34 | 52 | 76 | 104 | 135 |
| 2100                 | 2                                           | 9 | 20 | 35 | 55 | 80 | 109 | 142 |

SIN MALLA | WITHOUT MESH

| BxH<br>(mm) | Superficie neta<br>de paso de aire<br>Free area<br>m <sup>2</sup> | Tabiques<br>Splitters<br>N° | L Longitud   Length mm |     |      |      |      |      |
|-------------|-------------------------------------------------------------------|-----------------------------|------------------------|-----|------|------|------|------|
|             |                                                                   |                             | 600                    | 900 | 1200 | 1500 | 1800 | 2100 |
|             |                                                                   |                             | €                      | €   | €    | €    | €    | €    |
| 350x300     | 0,05                                                              | 1                           |                        |     |      |      |      |      |
| 350x450     | 0,07                                                              | 1                           |                        |     |      |      |      |      |
| 700x300     | 0,09                                                              | 2                           |                        |     |      |      |      |      |
| 700x450     | 0,14                                                              | 2                           |                        |     |      |      |      |      |
| 700x600     | 0,18                                                              | 2                           |                        |     |      |      |      |      |
| 700x750     | 0,23                                                              | 2                           |                        |     |      |      |      |      |
| 1050x300    | 0,14                                                              | 3                           |                        |     |      |      |      |      |
| 1050x450    | 0,2                                                               | 3                           |                        |     |      |      |      |      |
| 1050x600    | 0,27                                                              | 3                           |                        |     |      |      |      |      |
| 1050x750    | 0,34                                                              | 3                           |                        |     |      |      |      |      |
| 1050x900    | 0,41                                                              | 3                           |                        |     |      |      |      |      |
| 1050x1050   | 0,47                                                              | 3                           |                        |     |      |      |      |      |
| 1400x450    | 0,24                                                              | 4                           |                        |     |      |      |      |      |
| 1400x600    | 0,36                                                              | 4                           |                        |     |      |      |      |      |
| 1400x750    | 0,45                                                              | 4                           |                        |     |      |      |      |      |
| 1400x900    | 0,54                                                              | 4                           |                        |     |      |      |      |      |
| 1400x1050   | 0,63                                                              | 4                           |                        |     |      |      |      |      |
| 1400x1200   | 0,72                                                              | 4                           |                        |     |      |      |      |      |
| 1750x600    | 0,45                                                              | 5                           |                        |     |      |      |      |      |
| 1750x750    | 0,56                                                              | 5                           |                        |     |      |      |      |      |
| 1750x900    | 0,68                                                              | 5                           |                        |     |      |      |      |      |
| 1750x1200   | 0,9                                                               | 5                           |                        |     |      |      |      |      |
| 1750x1500   | 1,13                                                              | 5                           |                        |     |      |      |      |      |
| 1750x1800   | 1,35                                                              | 5                           |                        |     |      |      |      |      |
| 2100x600    | 0,54                                                              | 6                           |                        |     |      |      |      |      |
| 2100x750    | 0,68                                                              | 6                           |                        |     |      |      |      |      |
| 2100x900    | 0,81                                                              | 6                           |                        |     |      |      |      |      |
| 2100x1200   | 1,08                                                              | 6                           |                        |     |      |      |      |      |
| 2100x1500   | 1,35                                                              | 6                           |                        |     |      |      |      |      |
| 2100x1800   | 1,62                                                              | 6                           |                        |     |      |      |      |      |
| 2100x2100   | 1,89                                                              | 6                           |                        |     |      |      |      |      |
| 2450x900    | 0,95                                                              | 7                           |                        |     |      |      |      |      |
| 2450x1200   | 1,26                                                              | 7                           |                        |     |      |      |      |      |
| 2450x1500   | 1,58                                                              | 7                           |                        |     |      |      |      |      |
| 2450x1800   | 1,89                                                              | 7                           |                        |     |      |      |      |      |

Versión con tabiques de perfil aerodinámico disponibles bajo pedido | Version with aerodynamic profile on request

Cuando la longitud y una de las otras dimensiones (base o altura) superan ambos los 1400 mm, el silenciador se realiza con una división en la longitud  
When the length and one of the other dimensions (base or height) both exceed 1400 mm the sound attenuator is made with a division on the length

## CON MALLA | WITH MESH

| BxH<br>(mm) | Superficie neta<br>de paso de aire<br>Free area<br>m <sup>2</sup> | Tabiques<br>Splitters<br>N° | L Longitud   Length mm |     |      |      |      |      |
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|             |                                                                   |                             | €                      | €   | €    | €    | €    | €    |
| 350x300     | 0,05                                                              | 1                           |                        |     |      |      |      |      |
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| 700x750     | 0,23                                                              | 2                           |                        |     |      |      |      |      |
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| 1400x900    | 0,54                                                              | 4                           |                        |     |      |      |      |      |
| 1400x1050   | 0,63                                                              | 4                           |                        |     |      |      |      |      |
| 1400x1200   | 0,72                                                              | 4                           |                        |     |      |      |      |      |
| 1750x600    | 0,45                                                              | 5                           |                        |     |      |      |      |      |
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| 2100x600    | 0,54                                                              | 6                           |                        |     |      |      |      |      |
| 2100x750    | 0,68                                                              | 6                           |                        |     |      |      |      |      |
| 2100x900    | 0,81                                                              | 6                           |                        |     |      |      |      |      |
| 2100x1200   | 1,08                                                              | 6                           |                        |     |      |      |      |      |
| 2100x1500   | 1,35                                                              | 6                           |                        |     |      |      |      |      |
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