

■ Specification – Installation

Casing made of galvanised steel, acoustically lined with high quality mineral wool covered with cloth to prevent erosion. Acoustic lining retained by perforated steel sheet. Dimensions and tapped flange holes of all sizes fit fan's nominal diameter (R 20). Tapped holes in accordance to DIN 24155, Pt. 2.

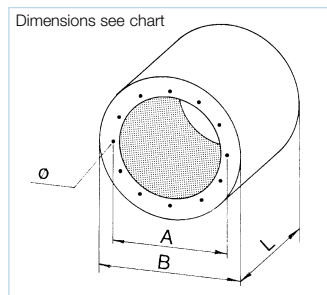
■ Isolation standard

To increase the attenuation, several attenuators can be installed in-line.

■ Pressure drop

The resistance of the RSD attenuators is very low. When designing the system consider twice the pressure drop of rigid ducting.

RSD



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| Selection-Sound level calculation | 318 |

| Type Nominal-ø | Ref. No. | Basic length | L | Dimensions in mm | | | Hole ø | Nominal weight kg | Isolation standard D _e dB | | | | | | | | Average attenuation |
|-------------------|----------|--------------|------|------------------|------|--|-----------|-------------------|--------------------------------------|-----|-----|------|------|------|------|----|---------------------|
| | | | | A | B | | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| RSD 225/ 300 | 8734 | 1 | 300 | 259 | 404 | | 6 x M 6 | 7 | 2 | 5 | 9 | 14 | 13 | 8 | 6 | 8 | |
| RSD 225/ 600 | 8735 | 2 | 600 | 259 | 404 | | 6 x M 6 | 12 | 4 | 10 | 17 | 27 | 25 | 17 | 14 | 15 | |
| RSD 225/ 900 | 8736 | 3 | 900 | 259 | 404 | | 6 x M 6 | 17 | 7 | 13 | 25 | 33 | 31 | 20 | 16 | 20 | |
| RSD 250/ 300 | 8737 | 1 | 300 | 286 | 404 | | 6 x M 6 | 7 | 3 | 5 | 8 | 8 | 9 | 7 | 5 | 8 | |
| RSD 250/ 600 | 8738 | 2 | 600 | 286 | 404 | | 6 x M 6 | 12 | 5 | 10 | 16 | 24 | 19 | 14 | 10 | 15 | |
| RSD 250/ 900 | 8739 | 3 | 900 | 286 | 404 | | 6 x M 6 | 16 | 6 | 12 | 22 | 28 | 21 | 15 | 11 | 18 | |
| RSD 280/ 400 | 8740 | 1 | 400 | 322 | 454 | | 8 x M 8 | 10 | 4 | 5 | 8 | 14 | 9 | 8 | 6 | 8 | |
| RSD 280/ 800 | 8741 | 2 | 800 | 322 | 454 | | 8 x M 8 | 18 | 7 | 9 | 16 | 28 | 18 | 17 | 14 | 14 | |
| RSD 280/1200 | 8742 | 3 | 1200 | 322 | 454 | | 8 x M 8 | 25 | 9 | 12 | 23 | 37 | 23 | 20 | 16 | 18 | |
| RSD 315/ 400 | 8743 | 1 | 400 | 356 | 504 | | 8 x M 8 | 11 | 3 | 3 | 7 | 13 | 8 | 7 | 5 | 5 | |
| RSD 315/ 800 | 8744 | 2 | 800 | 356 | 504 | | 8 x M 8 | 19 | 6 | 8 | 14 | 26 | 16 | 12 | 9 | 12 | |
| RSD 315/1200 | 8745 | 3 | 1200 | 356 | 504 | | 8 x M 8 | 28 | 9 | 12 | 21 | 36 | 18 | 17 | 14 | 18 | |
| RSD 355/ 400 | 8746 | 1 | 400 | 395 | 564 | | 8 x M 8 | 13 | 3 | 4 | 7 | 11 | 7 | 6 | 4 | 6 | |
| RSD 355/ 800 | 8747 | 2 | 800 | 395 | 564 | | 8 x M 8 | 23 | 6 | 7 | 13 | 22 | 14 | 12 | 8 | 11 | |
| RSD 355/1200 | 8748 | 3 | 1200 | 395 | 564 | | 8 x M 8 | 33 | 8 | 11 | 17 | 29 | 18 | 15 | 10 | 17 | |
| RSD 400/ 400 | 8749 | 1 | 400 | 438 | 564 | | 12 x M 8 | 12 | 3 | 4 | 6 | 9 | 7 | 5 | 3 | 6 | |
| RSD 400/ 800 | 8750 | 2 | 800 | 438 | 564 | | 12 x M 8 | 21 | 6 | 6 | 12 | 18 | 13 | 12 | 8 | 9 | |
| RSD 400/1200 | 8751 | 3 | 1200 | 438 | 564 | | 12 x M 8 | 30 | 7 | 10 | 14 | 22 | 18 | 13 | 9 | 15 | |
| RSD 450/ 400 | 8752 | 1 | 400 | 487 | 634 | | 12 x M 8 | 17 | 4 | 5 | 8 | 10 | 8 | 7 | 5 | 8 | |
| RSD 450/ 800 | 8753 | 2 | 800 | 487 | 634 | | 12 x M 8 | 27 | 6 | 7 | 13 | 18 | 13 | 12 | 9 | 11 | |
| RSD 450/1200 | 8754 | 3 | 1200 | 487 | 634 | | 12 x M 8 | 38 | 8 | 10 | 18 | 23 | 17 | 14 | 10 | 15 | |
| RSD 500/ 600 | 8755 | 1 | 600 | 541 | 714 | | 12 x M 8 | 27 | 4 | 5 | 9 | 11 | 9 | 9 | 6 | 8 | |
| RSD 500/ 900 | 8756 | 2 | 900 | 541 | 714 | | 12 x M 8 | 36 | 6 | 8 | 14 | 16 | 13 | 13 | 9 | 12 | |
| RSD 500/1200 | 8757 | 3 | 1200 | 541 | 714 | | 12 x M 8 | 45 | 8 | 11 | 22 | 24 | 17 | 16 | 12 | 17 | |
| RSD 560/ 600 | 8758 | 1 | 600 | 605 | 804 | | 8 x M 10 | 32 | 3 | 5 | 9 | 9 | 8 | 8 | 6 | 8 | |
| RSD 560/1200 | 8759 | 2 | 1200 | 605 | 804 | | 8 x M 10 | 52 | 6 | 10 | 19 | 19 | 16 | 13 | 10 | 15 | |
| RSD 630/ 600 | 8760 | 1 | 600 | 674 | 900 | | 8 x M 10 | 44 | 3 | 5 | 8 | 8 | 8 | 7 | 5 | 8 | |
| RSD 630/1200 | 8761 | 2 | 1200 | 674 | 900 | | 8 x M 10 | 68 | 5 | 10 | 16 | 15 | 15 | 11 | 8 | 15 | |
| RSD 710/ 600 | 8762 | 1 | 600 | 751 | 1000 | | 8 x M 10 | 51 | 3 | 5 | 7 | 7 | 7 | 6 | 4 | 8 | |
| RSD 710/1200 | 8763 | 2 | 1200 | 751 | 1000 | | 8 x M 10 | 80 | 5 | 10 | 14 | 13 | 13 | 10 | 7 | 15 | |
| RSD 800/ 600 | 8764 | 1 | 600 | 837 | 1100 | | 12 x M 10 | 57 | 2 | 5 | 7 | 6 | 6 | 5 | 4 | 8 | |
| RSD 800/1200 | 8765 | 2 | 1200 | 837 | 1100 | | 12 x M 10 | 88 | 5 | 9 | 13 | 11 | 11 | 9 | 6 | 14 | |
| RSD 900/ 900 | 8766 | 1 | 900 | 934 | 1220 | | 12 x M 10 | 82 | 2 | 4 | 10 | 9 | 6 | 5 | 4 | 6 | |
| RSD 900/1800 | 8767 | 2 | 1800 | 934 | 1220 | | 12 x M 10 | 135 | 4 | 9 | 21 | 17 | 13 | 9 | 8 | 14 | |
| RSD 1000/ 900 | 8768 | 1 | 900 | 1043 | 1350 | | 12 x M 10 | 96 | 2 | 4 | 8 | 7 | 5 | 4 | 3 | 6 | |
| RSD 1000/1800 | 8769 | 2 | 1800 | 1043 | 1350 | | 12 x M 10 | 157 | 4 | 7 | 16 | 14 | 10 | 7 | 6 | 11 | |
| RSD 1120/ 900 | 8770 | 1 | 900 | 1174 | 1350 | | 12 x M 10 | 81 | 2 | 3 | 7 | 6 | 4 | 3 | 3 | 5 | |
| RSD 1120/1800 | 8771 | 2 | 1800 | 1174 | 1350 | | 12 x M 10 | 136 | 3 | 6 | 14 | 11 | 8 | 6 | 5 | 9 | |
| RSD 1250/ 900 | 8772 | 1 | 900 | 1311 | 1460 | | 12 x M 10 | 86 | 1 | 2 | 5 | 4 | 3 | 2 | 2 | 3 | |
| RSD 1250/1800 | 8773 | 2 | 1800 | 1311 | 1460 | | 12 x M 10 | 146 | 2 | 4 | 11 | 9 | 7 | 5 | 4 | 6 | |