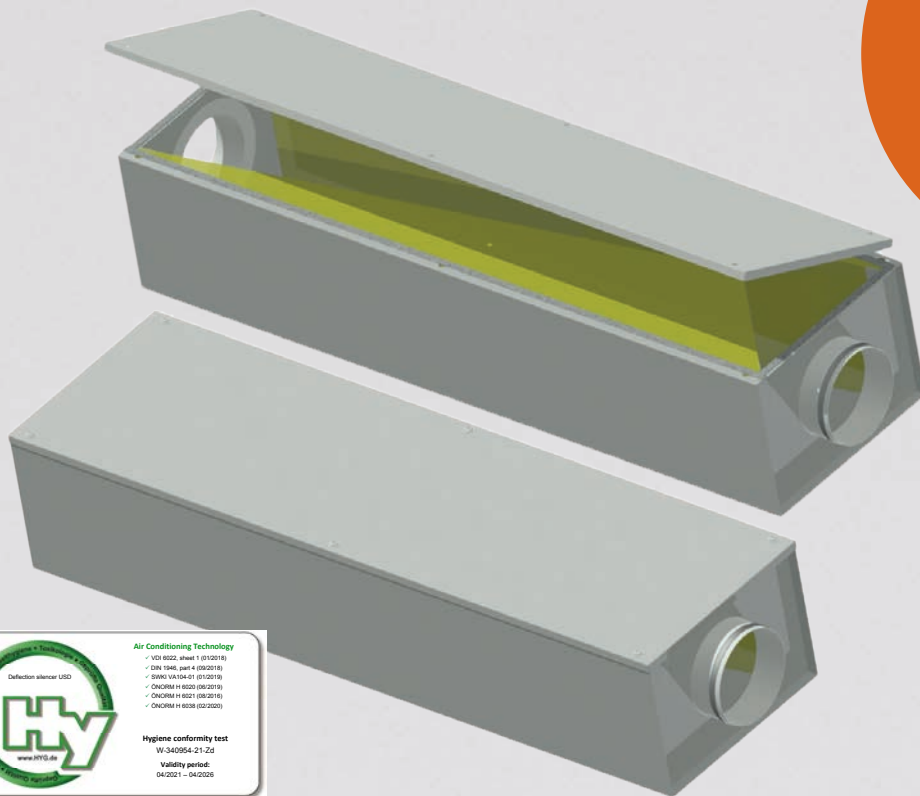


USD REDIRECT MUFFLERS

**COMFORT
VENTILATION**



with or without inspection cover

 **PICHLER**

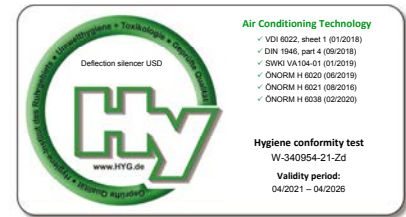
Systematic ventilation.

Product description USD(R)

- Square sound absorbers with acoustically and flow optimised splitters
- Galvanised steel sheet outer housing
- Splitters with high-strength, wear-resistant and moisture repellent glass silk surface with absorption and resonance elements for optimal sound damping
- Connecting stubs with double lip sealing for plug-in fitting
- Version USD-R with screwed inspection cover for easy cleaning purposes

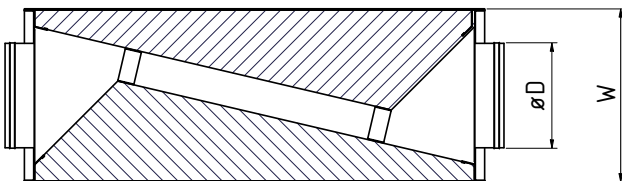
HYGIENE-CERTIFIED BY THE RUHR DISTRICT INSTITUTE OF HYGIENE

The construction design complies with hygiene requirements as stipulated in the guidelines contained in VDI 6022 (sheet 1, 01/2018), SWKI VA104-01 (01/2019), DIN 1946 (part 4, 09/2018), ÖNORM H 6021 (08/2016), ÖNORM H 6020 (06/2019) and ÖNORM H 6038 (02/2020), and is in accordance with performed expert appraisals on hygiene.

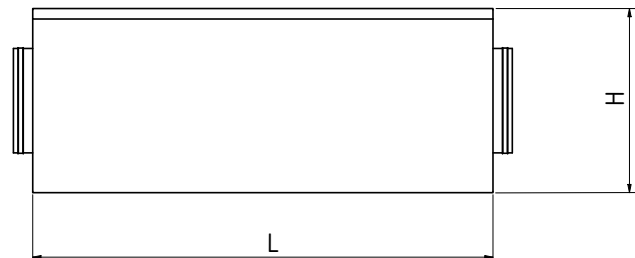


Dimensions and assembly

| Article number | Description | ØD [mm] | W [mm] | H [mm] | L [mm] | Weight [kg] |
|----------------|-------------------------------------|---------|--------|--------|--------|-------------|
| 08USD100 | redirect muffler without inspection | 100 | 280 | 200 | 1000 | 10,2 |
| 08USD125 | redirect muffler without inspection | 125 | 280 | 200 | 1000 | 10,5 |
| 08USD160 | redirect muffler without inspection | 160 | 260 | 280 | 1000 | 12,5 |
| 08USD200 | redirect muffler without inspection | 200 | 260 | 280 | 1000 | 12,5 |
| 08USD250 | redirect muffler without inspection | 250 | 450 | 500 | 1000 | 26,0 |
| 08USD315 | redirect muffler without inspection | 315 | 450 | 500 | 1000 | 26,6 |
| 08USD1000700 | redirect muffler without inspection | 100 | 280 | 200 | 700 | 7,5 |
| 08USD1250700 | redirect muffler without inspection | 125 | 280 | 200 | 700 | 7,5 |
| 08USD1600700 | redirect muffler without inspection | 160 | 260 | 280 | 700 | 9,0 |
| 08USD2000700 | redirect muffler without inspection | 200 | 260 | 280 | 700 | 9,0 |
| 08USD2500700 | redirect muffler without inspection | 250 | 450 | 500 | 700 | 18,0 |
| 08USD3150700 | redirect muffler without inspection | 315 | 450 | 500 | 700 | 18,0 |
| 08USDR100 | redirect muffler with inspection | 100 | 280 | 200 | 1000 | 10,2 |
| 08USDR125 | redirect muffler with inspection | 125 | 280 | 200 | 1000 | 10,5 |
| 08USDR160 | redirect muffler with inspection | 160 | 260 | 280 | 1000 | 12,5 |
| 08USDR200 | redirect muffler with inspection | 200 | 260 | 280 | 1000 | 12,5 |
| 08USDR250 | redirect muffler with inspection | 250 | 450 | 500 | 1000 | 26,0 |
| 08USDR315 | redirect muffler with inspection | 315 | 450 | 500 | 1000 | 26,6 |



Top view (cross-sectional view)



Front view



Technical data

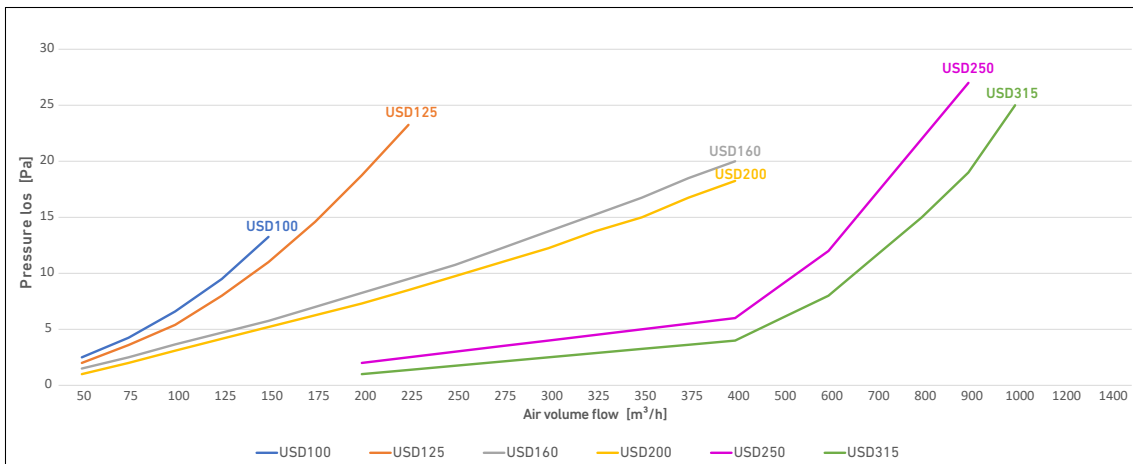
SOUND ATTENUATION USD WITH L = 1000 MM [dB]

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|---------|-------|--------|--------|--------|-------|-------|-------|-------|
| USD 100 | 10 dB | 17 dB | 29 dB | 37 dB | 40 dB | 46 dB | 48 dB | 40 dB |
| USD 125 | 10 dB | 16 dB | 29 dB | 39 dB | 43 dB | 50 dB | 45 dB | 38 dB |
| USD 160 | 12 dB | 15 dB | 28 dB | 40 dB | 45 dB | 55 dB | 45 dB | 33 dB |
| USD 200 | 7 dB | 13 dB | 27 dB | 40 dB | 44 dB | 45 dB | 42 dB | 48 dB |
| USD 250 | 20 dB | 11 dB | 21 dB | 31 dB | 41 dB | 45 dB | 41 dB | 25 dB |
| USD 315 | 16 dB | 9 dB | 15 dB | 27 dB | 39 dB | 43 dB | 41 dB | 28 dB |

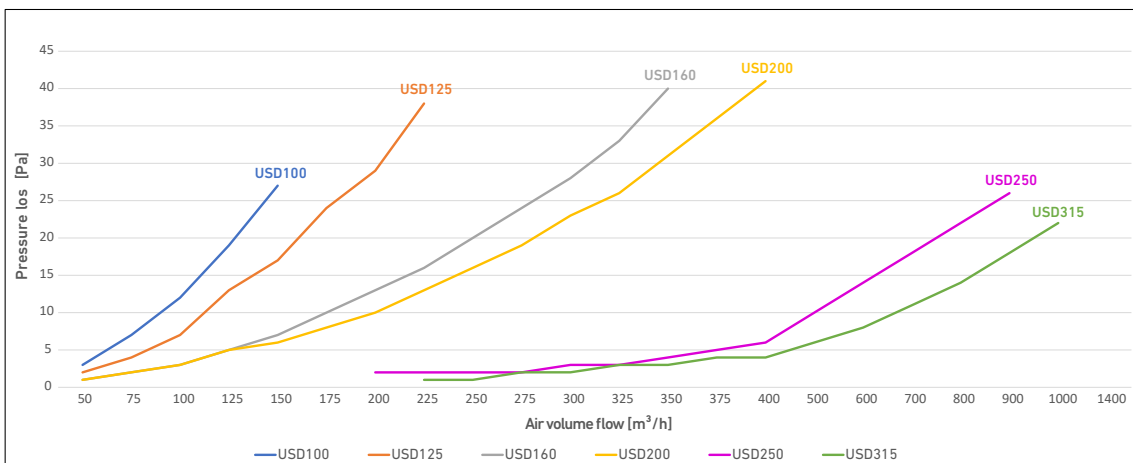
SOUND ATTENUATION USD WITH L = 700 MM [dB]

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|---------|-------|--------|--------|--------|-------|-------|-------|-------|
| USD 100 | 11 dB | 18 dB | 18 dB | 33 dB | 41 dB | 45 dB | 40 dB | 38 dB |
| USD 125 | 8 dB | 13 dB | 17 dB | 30 dB | 39 dB | 41 dB | 39 dB | 34 dB |
| USD 160 | 12 dB | 9 dB | 14 dB | 28 dB | 35 dB | 41 dB | 40 dB | 29 dB |
| USD 200 | 13 dB | 8 dB | 16 dB | 25 dB | 34 dB | 39 dB | 36 dB | 26 dB |
| USD 250 | 11 dB | 9 dB | 14 dB | 22 dB | 30 dB | 24 dB | 19 dB | 19 dB |
| USD 315 | 5 dB | 6 dB | 14 dB | 19 dB | 26 dB | 23 dB | 18 dB | 17 dB |

PRESSURE LOSS DIAGRAM USD WITH L = 1000 MM



PRESSURE LOSS DIAGRAM USD WITH L = 700 MM

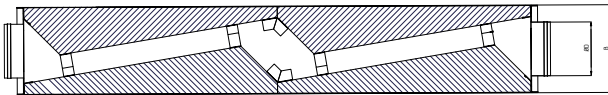


Product description USDD

- Square sound absorbers with 2 integrated and consecutive splitters
- Splitters with high-strength, wear-resistant and moisture repellent glass silk surface with absorption and resonance elements for optimal sound damping
- Connecting stubs with double lip sealing for plug-in fitting
- Without Hygiene-certificate

Dimensions and assembly

| Article number | Description | ØD [mm] | W [mm] | H [mm] | L [mm] | Weight [kg] |
|----------------|--|---------|--------|--------|--------|-------------|
| 08USDD1001200 | dual, flat redirect muffler without inspection | 100 | 202 | 134 | 1200 | 8,5 |
| 08USDD1251200 | dual, flat redirect muffler without inspection | 125 | 202 | 134 | 1200 | 7,0 |



Top view (cross-sectional view)



Front view

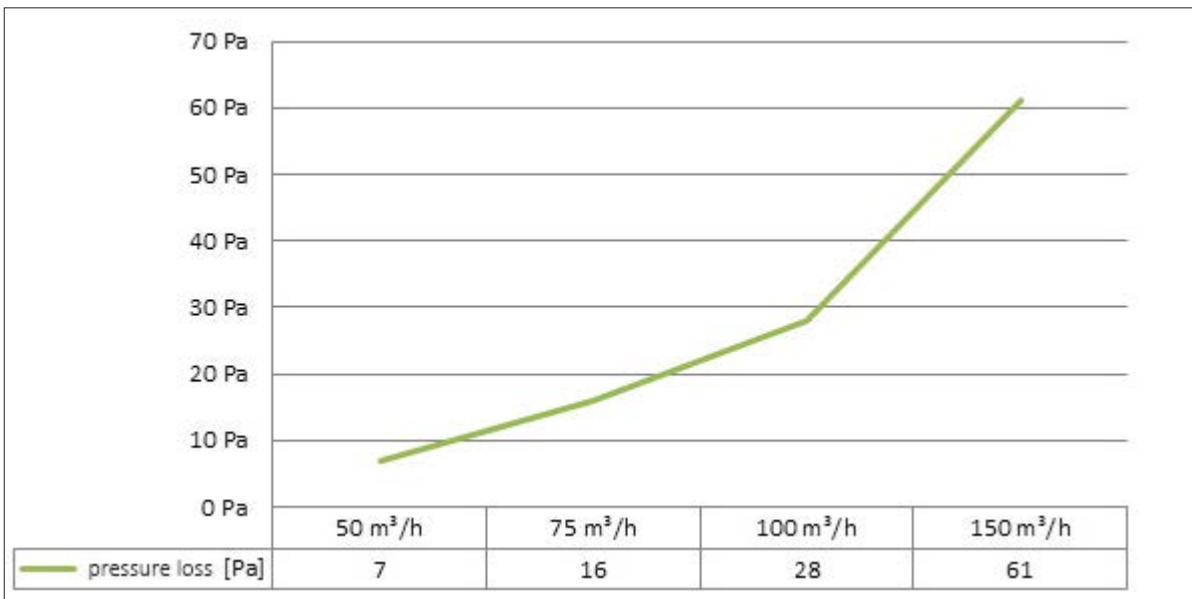


Technical data

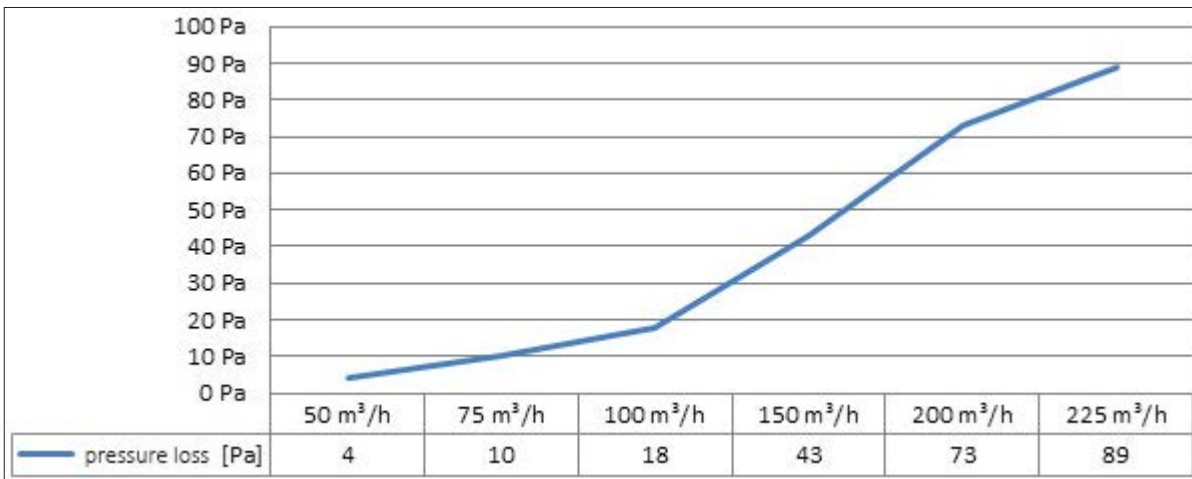
SOUND ATTENUATION USDD

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|----------|-------|--------|--------|--------|-------|-------|-------|-------|
| USDD 100 | 8 dB | 21 dB | 30 dB | 44 dB | 53 dB | 54 dB | 50 dB | 46 dB |
| USDD 125 | 6 dB | 19 dB | 30 dB | 42 dB | 54 dB | 59 dB | 57 dB | 52 dB |

PRESSURE LOSS DIAGRAM USDD 100



PRESSURE LOSS DIAGRAM USDD 125

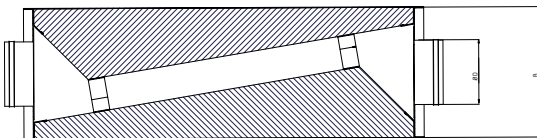


Product description USDF

- Square sound absorbers with acoustically and flow optimised splitters in flat design
- Galvanised steel sheet outer housing
- Splitters with high-strength, wear-resistant and moisture repellent glass silk surface with absorption and resonance elements for optimal sound damping
- Connecting stubs with double lip sealing for plug-in fitting
- Without Hygiene-certificate

Dimensions and assembly

| Article number | Description | ØD [mm] | W [mm] | H [mm] | L [mm] | Weight [kg] |
|----------------|--|---------|--------|--------|--------|-------------|
| 08USDF100600 | flat redirect muffler without inspection | 100 | 202 | 115 | 600 | 7,0 |



Top view (cross-sectional view)



Front view

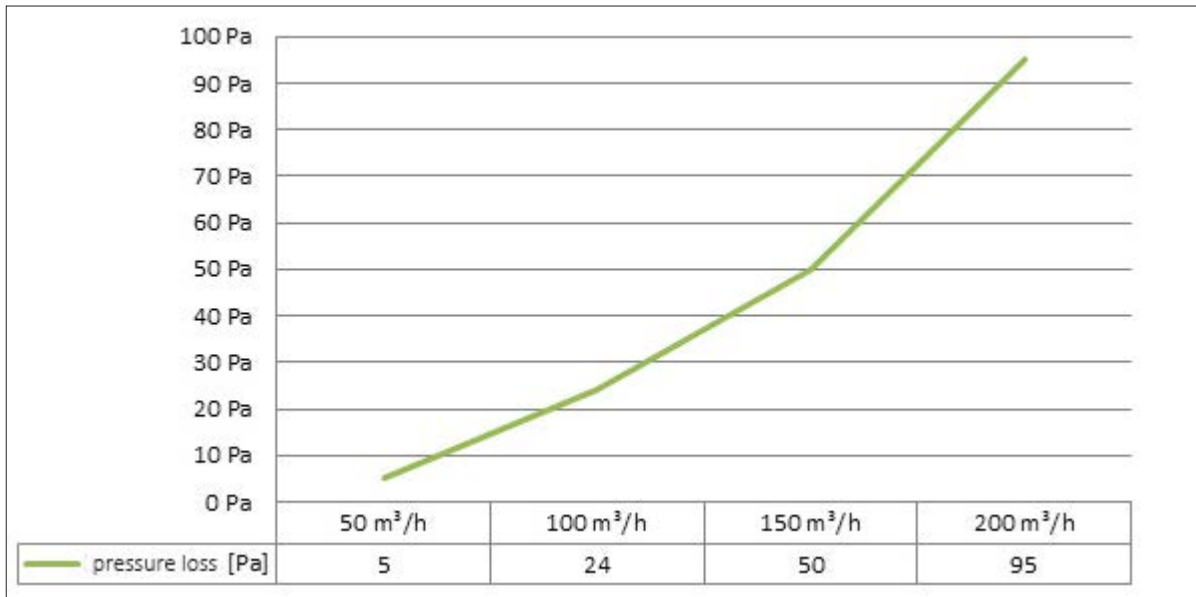


Technical data

SOUND ATTENUATION USDF

| | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
|----------|-------|--------|--------|--------|-------|-------|-------|-------|
| USDF 100 | 4 dB | 10 dB | 15 dB | 23 dB | 31 dB | 35 dB | 36 dB | 27 dB |

PRESSURE LOSS DIAGRAM USDF 100





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