

GS

VOLUME CONTROL

DEFINITION

The GS sand-trap louvre is designed to remove the bulk of airborne sand and dust from inlet air in dry environments. Sand-trap louvre is used as a prefilter but can not be intended as a substitute for conventional filters.

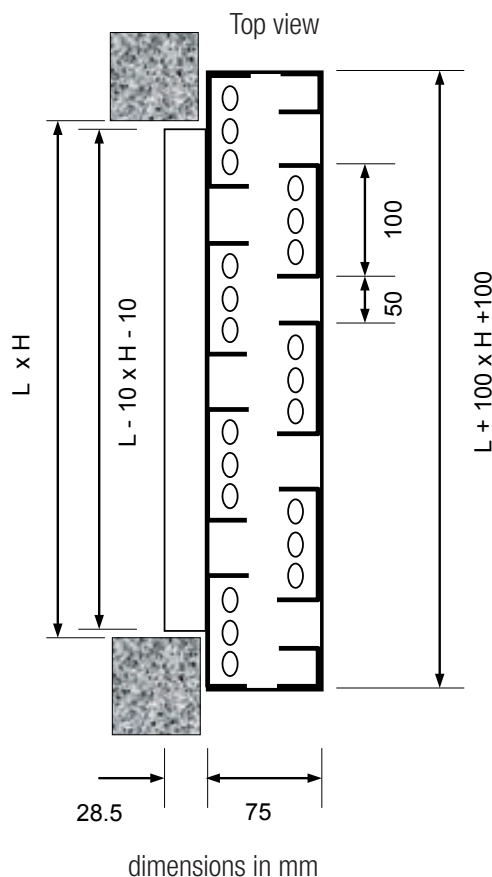


CHARACTERISTICS

| | |
|-------------|---|
| Frame | Bended steel sheet 1.5 mm thick Evacuation holes for the sand on the lower parts |
| Sand blades | Bended steel sheet 1.5 mm thick |
| Mesh | Antibird mesh, 12.7 x 12.7 x 0.8 |

Available in galvanized steel, stainless steel 304L or 316L, aluminum AG3M or painted steel RAL colour

DIMENSIONS



WEIGHT (kg)

| H \ L | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2300 |
|-------|-----|-----|-----|------|------|------|------|------|------|------|
| 200 | 8 | 10 | 13 | 15 | 17 | 20 | 22 | 25 | 27 | 30 |
| 400 | 12 | 15 | 18 | 22 | 25 | 29 | 32 | 35 | 39 | 44 |
| 600 | 14 | 19 | 23 | 27 | 31 | 35 | 39 | 43 | 47 | 53 |
| 800 | 18 | 23 | 28 | 33 | 38 | 44 | 49 | 54 | 59 | 66 |
| 1000 | 22 | 28 | 34 | 40 | 46 | 52 | 58 | 65 | 71 | 80 |
| 1200 | 25 | 31 | 38 | 45 | 52 | 58 | 65 | 72 | 79 | 89 |
| 1400 | 28 | 36 | 44 | 52 | 59 | 67 | 75 | 83 | 91 | 102 |
| 1600 | 32 | 41 | 50 | 58 | 67 | 76 | 85 | 94 | 103 | 116 |
| 1800 | 35 | 44 | 54 | 63 | 73 | 82 | 92 | 101 | 111 | 125 |
| 2000 | 38 | 49 | 59 | 70 | 80 | 91 | 102 | 112 | 123 | 138 |

SELECTION

Airflow (m³/h) and free area velocity between the blades (m/s) for a face velocity of 2 m/s:

| H \ L | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2300 |
|-------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 200 | 576 6.1 | 864 3.3 | 1152 4.1 | 1440 6.1 | 1728 3.3 | 2016 4.1 | 2304 6.1 | 2592 3.3 | 2880 4.1 | 3312 4.1 |
| 400 | 1152 6.1 | 1728 3.3 | 2304 4.1 | 2880 6.1 | 3456 3.3 | 4032 4.1 | 4608 6.1 | 5184 3.3 | 5760 4.1 | 6624 4.1 |
| 600 | 1728 6.1 | 2592 3.3 | 3456 4.1 | 4320 6.1 | 5184 3.3 | 6048 4.1 | 6912 6.1 | 7776 3.3 | 8640 4.1 | 9936 4.1 |
| 800 | 2304 6.1 | 3456 3.3 | 4608 4.1 | 5760 6.1 | 6912 3.3 | 8064 4.1 | 9216 6.1 | 10368 3.3 | 11520 4.1 | 13248 4.1 |
| 1000 | 2880 6.1 | 4320 3.3 | 5760 4.1 | 7200 6.1 | 8640 3.3 | 10080 4.1 | 11520 6.1 | 12960 3.3 | 14400 4.1 | 16560 4.1 |
| 1200 | 3456 6.1 | 5184 3.3 | 6912 4.1 | 8640 6.1 | 10368 3.3 | 12096 4.1 | 13824 6.1 | 15552 3.3 | 17280 4.1 | 19872 4.1 |
| 1400 | 4032 6.1 | 6048 3.3 | 8064 4.1 | 10080 6.1 | 12096 3.3 | 14112 4.1 | 16128 6.1 | 18144 3.3 | 20160 4.1 | 23184 4.1 |
| 1600 | 4608 6.1 | 6912 3.3 | 9216 4.1 | 11520 6.1 | 13824 3.3 | 16128 4.1 | 18432 6.1 | 20736 3.3 | 23040 4.1 | 26496 4.1 |
| 1800 | 5184 6.1 | 7776 3.3 | 10368 4.1 | 12960 6.1 | 15552 3.3 | 18144 4.1 | 20736 6.1 | 23328 3.3 | 25920 4.1 | 29808 4.1 |
| 2000 | 5760 6.1 | 8640 3.3 | 11520 4.1 | 14400 6.1 | 17280 3.3 | 20160 4.1 | 23040 6.1 | 25920 3.3 | 28800 4.1 | 33120 4.1 |

PRESSURE LOSSES

The pressure loss can be read below, according to the face velocity.

