

Cell filter CELHOF



Extruded, fine-pore ceramic body made of mullite-cordierite-mass

Application: for gray, ductile, heavy metal and aluminium casting (floating in aluminium)

Application temperature: Depending on the casting time and the pouring height

Density: 1,9 g/cm³

Porosity / Cell size: csi (cells per square inch)

| Dimension [mm] | | | | | Tolerance [mm] | | Cell size [csi] | Filter area [mm] | Space btw. holes [mm] | Filter area [mm ²] | Open filter area [mm ²] | Open filter area [%] | Maximum recommended values for the casting capacity | | | | Packaging unit | |
|----------------|----|------|----|-----|----------------|-----------|-----------------|------------------|-----------------------|--------------------------------|-------------------------------------|----------------------|---|----------|-----------|------------|----------------|---------|
| l | x | w | x | t | Length | Thickness | | | | | | | [kg GG] | [kg GGG] | [kg/s GG] | [kg/s GGG] | Carton | Palette |
| 37,5 | x | 37,5 | x | 13 | -1 | -0,5 | 100 | 2 | 0,4 | 1406 | 900 | 64 | 38-55 | 13-27 | 1,8-2,9 | 0,7-2,1 | 432 | 33.264 |
| 37,5 | x | 37,5 | x | 13 | -1 | -0,5 | 300 | 1,15 | 0,3 | 1406 | 880 | 62 | 35-52 | - | 1,7-2,8 | - | 432 | 33.265 |
| 38 | x | 38 | x | 13 | -1 | -0,5 | 225 | 1,4 | 0,35 | 1.444 | 949 | 66 | 40-60 | - | 2,0-3,0 | - | 440 | 17.600 |
| 40 | x | 40 | x | 13 | -1 | -0,5 | 100 | 2 | 0,4 | 1.600 | 1.024 | 64 | 42-63 | 15-43 | 2,1-3,2 | 1,5-2,3 | 1.216 | 21.888 |
| 43,5 | x | 43,5 | x | 13 | -1 | -0,5 | 100 | 2 | 0,4 | 1.892 | 1.156 | 61 | 47-88 | 16-45 | 2,2-3,8 | 1,6-2,8 | 1.216 | 21.888 |
| 43,5 | x | 43,5 | x | 13 | -1 | -0,5 | 300 | 1.15 | 0,3 | 1.892 | 1.132 | 60 | 46-87 | - | 2,2-3,7 | - | 1.216 | 21.888 |
| 50 | x | 50 | x | 9,5 | -1 | -0,5 | 90 | 2,3 | 0,4 | 2.500 | 1.714 | 69 | 50-110 | 20-55 | 2,5-4,1 | 2,0-3,4 | 300 | 19.800 |
| 50 | x | 50 | x | 13 | -1 | -0,5 | 90 | 2,3 | 0,4 | 2.500 | 1.714 | 69 | 50-110 | 20-55 | 2,5-4,1 | 2,0-3,4 | 240 | 15.840 |
| 50 | x | 50 | x | 9,5 | -1 | -0,5 | 100 | 2 | 0,4 | 2.500 | 1.600 | 64 | 49 - 104 | 19-52 | 2,4-4,0 | 1,9-3,3 | 300 | 19.800 |
| 50 | x | 50 | x | 13 | -1 | -0,5 | 100 | 2 | 0,4 | 2.500 | 1.600 | 64 | 49-104 | 19-52 | 2,4-4,0 | 1,9-3,3 | 240 | 15.840 |
| 50 | x | 50 | x | 13 | -1 | -0,5 | 144 | 1,8 | 0,4 | 2.500 | 1.714 | 69 | 50-110 | - | 2,5-3,9 | - | 240 | 15.840 |
| 50 | x | 50 | x | 9,5 | -1 | -0,5 | 200 | 1,55 | 0,4 | 2.500 | 1.750 | 70 | 65-130 | - | 3,0-4,5 | - | 300 | 19.800 |
| 50 | x | 50 | x | 13 | -1 | -0,5 | 200 | 1,55 | 0,4 | 2.500 | 1.750 | 70 | 65-130 | - | 3,0-4,5 | - | 240 | 15.840 |
| 50 | x | 50 | x | 21 | -1 | -0,5 | 200 | 1,55 | 0,4 | 2.500 | 1.750 | 70 | 65-130 | - | 3,0-4,5 | - | 150 | 9.900 |
| 50 | x | 75 | x | 21 | -1 | -0,5 | 200 | 1,55 | 0,4 | 3.750 | 2.625 | 70 | 85-170 | - | 5,2-7,5 | - | 100 | 6.600 |
| 55 | x | 55 | x | 13 | -1 | -0,5 | 100 | 2,1 | 0,45 | 3.025 | 2.034 | 67 | 70-135 | 23-68 | 3,5-5,5 | 2,5-3,75 | 250 | 10.000 |
| 55 | x | 55 | x | 13 | -1 | -0,5 | 300 | 1,15 | 0,35 | 3.025 | 1.804 | 60 | 68-132 | - | 3,5-5,4 | - | 250 | 10.000 |
| 66 | x | 66 | x | 13 | -1 | -0,5 | 100 | 2,05 | 0,5 | 4.356 | 2.920 | 67 | 90 - 210 | 45-110 | 5,5 - 8,0 | 3,75 - 5,5 | 250 | 7.500 |
| 66 | x | 66 | x | 13 | -1 | -0,5 | 300 | 1,2 | 0,3 | 4.356 | 2.626 | 60 | 85 - 205 | - | 5,4 - 7,8 | - | 250 | 7.500 |
| 75 | x | 75 | x | 13 | -1 | -0,5 | 100 | 1,95 | 0,6 | 5.625 | 3.550 | 63 | 150 - 360 | 68-170 | 5,7-9,8 | 5,5-8,8 | 250 | 7.500 |
| 81 | x | 81 | x | 13 | -1 | -0,5 | 100 | 2 | 0,55 | 6.561 | 4.118 | 63 | 160-390 | 68-180 | 6,0-11,0 | 5,5-10,0 | 160 | 4.800 |
| ∅ | 50 | x | 12 | | -0,2/-0,7 | -0,5 | 144 | 1,75 | 0,4 | 1.963 | 1.341 | 68 | 45-100 | - | 2,4-4,0 | - | 980 | 17.640 |
| ∅ | 59 | x | 12 | | + 1/-0,5 | -0,6 | 100 | 2,05 | 0,5 | 2.733 | 1.778 | 65 | 65-130 | 35-65 | 2,6-4,2 | 2,1 -3,5 | 720 | 12.960 |
| ∅ | 59 | x | 12 | | + 1/-0,5 | -0,5 | 200 | 1,55 | 0,4 | 2733 | 1.938 | 71 | 71 -140 | - | 2,9-4,9 | - | 720 | 12.960 |

Other dimensions on request

A guarantee for the stated values cannot be assumed, since this is only approximate. When choosing a bad filter arrangement (directly poured on, large pouring height, insufficient filter support) or to small dimensions of the filter, is a risk that the filter capacity is exceeded. All recommendations apply only with respect to the amended text.

Data subject to alteration.