



From 250 up to 525 models.



From 630 up to 1000 models.

### DEF-D

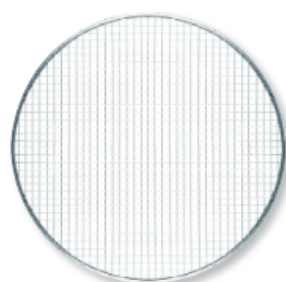
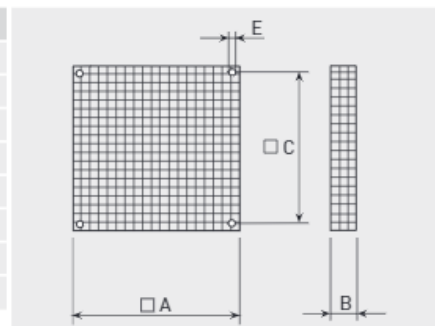
Square discharge wire protection guards. Protection guard to prevent any contact with the fan impeller.

| Model      | Ø A  | B   | Ø C  | Ø E |
|------------|------|-----|------|-----|
| DEF-250 D  | 332  | 64  | 286  | 8   |
| DEF-325 D  | 397  | 64  | 351  | 8   |
| DEF-375 D  | 449  | 64  | 403  | 8   |
| DEF-450 D  | 501  | 64  | 455  | 8   |
| DEF-525 D  | 553  | 64  | 507  | 8   |
| DEF-630 D  | 808  | 150 | 735  | 8   |
| DEF-800 D  | 1008 | 140 | 935  | 8   |
| DEF-1000 D | 1258 | 155 | 1185 | 8   |

Wire mesh hole size (mm):

**10,6 x 10,6** (from 250 models to 525)

**25 x 25** (from 630 models to 1000)



### DEF-T

Inlet/outlet guard protection grille to be mounted to the S&P COMPACT cased axial fans.

| Model                                               | A   | B   | ØD | Number of holes |
|-----------------------------------------------------|-----|-----|----|-----------------|
| Guard protection grille DEF-T (inlet / outlet side) |     |     |    |                 |
| DEF-250 T                                           | 312 | 1,2 | -  | -               |
| DEF-315 T                                           | 380 | 3   | -  | -               |
| DEF-355 T                                           | 420 | 3   | -  | -               |
| DEF-400 T                                           | 475 | 3   | -  | -               |
| DEF-450 T                                           | 525 | 3   | -  | -               |
| DEF-500 T                                           | 595 | 3   | -  | -               |
| DEF-560 T                                           | 655 | 3   | -  | -               |
| DEF-630 T                                           | 725 | 3   | -  | -               |

Guard protection grille DEF-T ASPIRACION (inlet impeller side)

|                      |     |   |    |   |
|----------------------|-----|---|----|---|
| DEF-710 T ASPIRACION | 770 | 5 | 12 | 8 |
| DEF-800 T ASPIRACION | 860 | 5 | 11 | 8 |

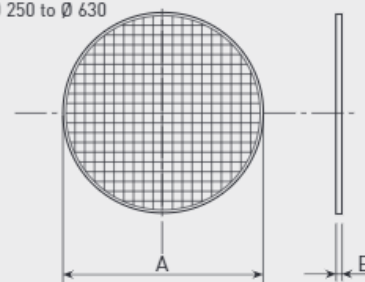
Guard protection grille DEF-T DESCARGA (outlet motor side)

|                       |     |   |    |   |
|-----------------------|-----|---|----|---|
| DEF-710/H-T DESCARGA  | 770 | 5 | 12 | 8 |
| DEF-710/L-T DES CARGA | 770 | 5 | 12 | 8 |

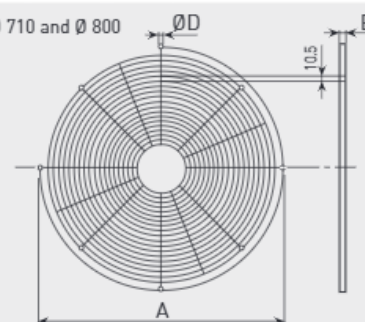
Wire mesh hole size (mm):

**10,6 x 10,6** (from 250 models to 630)

Ø 250 to Ø 630



Ø 710 and Ø 800



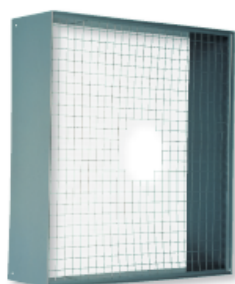
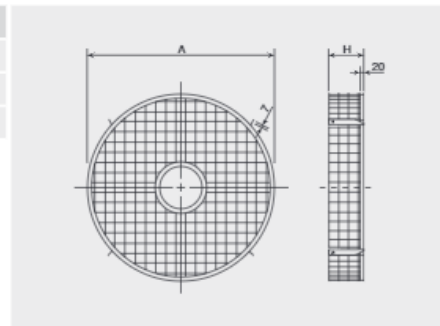


## DEF-AN

Inlet guard protection grille to be mounted with large diameter (800 to 1000) plate mounted axial fans.

| Model                   | Ø A  | H   |
|-------------------------|------|-----|
| DEF-800 AN              | 926  | 178 |
| DEF-900 AN / DEF-901 AN | 1026 | 228 |
| DEF-1000 AN             | 1154 | 163 |

Wire mesh hole size (mm): 25 x 25

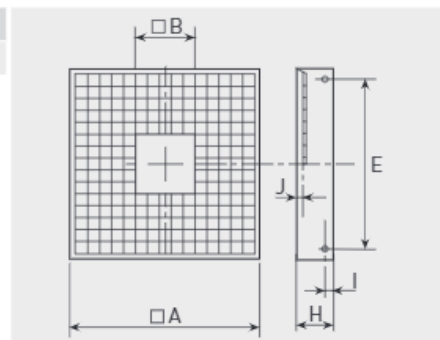


## DEF-1001 A

Inlet guard protection grille to be mounted with HCFT/4-1000/H-X and HCBT/4-1000/H-X plate mounted axial fans.

| Model      | Ø A  | Ø B | E    | H   | I  | J  |
|------------|------|-----|------|-----|----|----|
| DEF-1001 A | 1258 | 297 | 1185 | 265 | 34 | 22 |

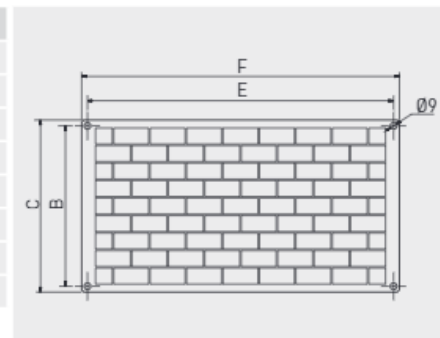
Wire mesh hole size (mm): 25 x 25

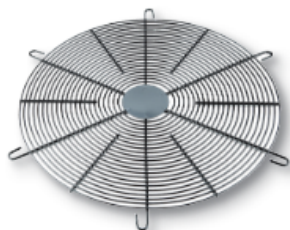


## DEF

Rectangular protection guard.

| Model        | B   | C   | E    | F    |
|--------------|-----|-----|------|------|
| DEF-400x200  | 220 | 240 | 420  | 440  |
| DEF-500x250  | 270 | 290 | 520  | 540  |
| DEF-500x300  | 320 | 340 | 520  | 540  |
| DEF-600x300  | 320 | 340 | 620  | 640  |
| DEF-600x350  | 370 | 390 | 620  | 640  |
| DEF-700x400  | 420 | 440 | 720  | 740  |
| DEF-800x500  | 520 | 540 | 820  | 840  |
| DEF-1000x500 | 520 | 540 | 1020 | 1040 |

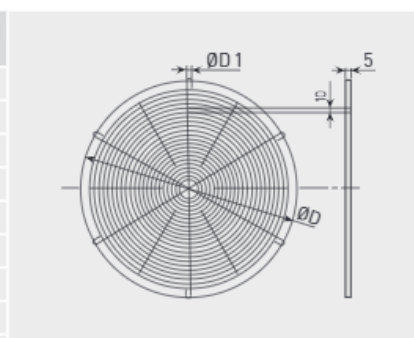




### DEF.ASP.TGT/THGT

Inlet guard protection grille to be mounted to the TGT and THGT cased axial fans.

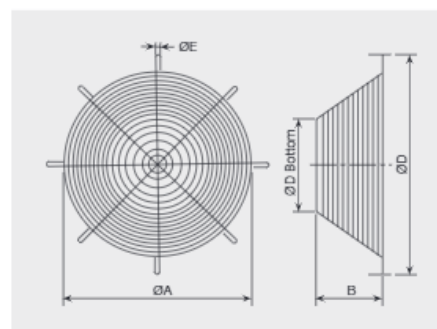
| Model                               | D    | D1 | Number of holes | Weight (Kg) |
|-------------------------------------|------|----|-----------------|-------------|
| DEFENSA DE ASPIRACIÓN TGT/THGT-400  | 450  | 12 | 4               | 1,1         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-450  | 500  | 12 | 4               | 1,2         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-500  | 560  | 12 | 6               | 1,7         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-560  | 620  | 12 | 6               | 2,1         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-630  | 690  | 12 | 6               | 2,6         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-800  | 860  | 12 | 8               | 4,0         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-900  | 970  | 12 | 8               | 4,9         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1000 | 1070 | 12 | 8               | 5,9         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1120 | 1190 | 12 | 10              | 8,0         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1250 | 1320 | 12 | 10              | 9,2         |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1400 | 1470 | 12 | 10              | 13,0        |
| DEFENSA DE ASPIRACIÓN TGT/THGT-1600 | 1680 | 12 | 12              | 16,0        |



### DEF.DES.TGT/THGT

Outlet guard protection grille to be mounted to the TGT and THGT cased axial fans.

| Model (motor side)                | Ø A  | Ø B | Bottom Ø D | Ø D  | Ø E | Nº of holes | Weight (kg) |
|-----------------------------------|------|-----|------------|------|-----|-------------|-------------|
| DEFENSA DE DESCARGA TGT/THGT-400  | 380  | 170 | 365        | 465  | 12  | 4           | 2,2         |
| DEFENSA DE DESCARGA TGT/THGT-450  | 430  | 235 | 385        | 515  | 12  | 4           | 2,7         |
| DEFENSA DE DESCARGA TGT/THGT-500  | 480  | 235 | 480        | 560  | 12  | 6           | 3,5         |
| DEFENSA DE DESCARGA TGT/THGT-560  | 540  | 295 | 510        | 620  | 12  | 6           | 4,2         |
| DEFENSA DE DESCARGA TGT/THGT-630  | 610  | 295 | 382        | 690  | 12  | 6           | 3,4         |
| DEFENSA DE DESCARGA TGT/THGT-710  | 690  | 295 | 420        | 770  | 12  | 8           | 4,4         |
| DEFENSA DE DESCARGA TGT/THGT-800  | 780  | 295 | 460        | 860  | 12  | 8           | 5,2         |
| DEFENSA DE DESCARGA TGT/THGT-900  | 880  | 335 | 540        | 970  | 12  | 8           | 6,4         |
| DEFENSA DE DESCARGA TGT/THGT-1000 | 980  | 335 | 620        | 1070 | 12  | 8           | 8,1         |
| DEFENSA DE DESCARGA TGT/THGT-1120 | 1100 | 455 | 630        | 1190 | 15  | 10          | 15          |
| DEFENSA DE DESCARGA TGT/THGT-1250 | 1230 | 465 | 800        | 1320 | 12  | 10          | 13,5        |
| DEFENSA DE DESCARGA TGT/THGT-1400 | 1380 | 530 | 791        | 1470 | 15  | 12          | 15          |
| DEFENSA DE DESCARGA TGT/THGT-1600 | 1580 | 530 | 995        | 1680 | 20  | 12          | 15          |

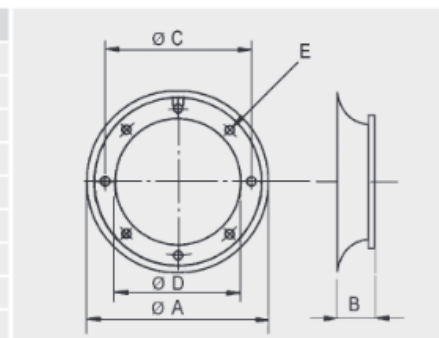




## EMB-T

Bellmouth inlet with protection guard for form B airflow TGT/THGT, or form A with long casing. Reduce inlet loss and prevent entry of objects or contact with fan impeller.

| Model     | Ø A  | B   | Ø C  | Ø D  | E     | Weight (Kg) |
|-----------|------|-----|------|------|-------|-------------|
| EMB-315T  | 426  | 165 | 355  | 320  | 8x10  | 3,4         |
| EMB-355T  | 435  | 165 | 395  | 359  | 8x10  | 3,6         |
| EMB-400T  | 507  | 165 | 450  | 401  | 8x12  | 4,4         |
| EMB-450T  | 555  | 165 | 500  | 450  | 8x12  | 5,0         |
| EMB-500T  | 617  | 165 | 560  | 504  | 12x12 | 5,9         |
| EMB-560T  | 674  | 165 | 620  | 560  | 12x12 | 8,6         |
| EMB-630T  | 744  | 165 | 690  | 630  | 12x12 | 9,7         |
| EMB-710T  | 824  | 250 | 770  | 710  | 16x12 | 14,3        |
| EMB-800T  | 914  | 250 | 860  | 800  | 16x12 | 16,1        |
| EMB-900T  | 1014 | 250 | 970  | 900  | 16x15 | 18,3        |
| EMB-1000T | 1114 | 250 | 1070 | 1000 | 16x15 | 20,4        |
| EMB-1120T | 1234 | 250 | 1190 | 1120 | 20x15 | 24,0        |
| EMB-1250T | 1364 | 250 | 1320 | 1250 | 20x15 | 26,6        |
| EMB-1400T | 1516 | 250 | 1470 | 1400 | 20x15 | 33,0        |
| EMB-1600T | 1716 | 250 | 1680 | 1600 | 24x18 | 39,0        |



## EMB-S

Bellmouth inlet with protection guard for form A airflow shortcase TGT/THGT. Reduce inlet loss and prevent entry of objects or contact with fan impeller.

| Model     | Ø A  | B   | Ø C  | Ø D  | E     | Weight (Kg) |
|-----------|------|-----|------|------|-------|-------------|
| EMB-560S  | 674  | 345 | 620  | 560  | 12x12 | 13,3        |
| EMB-630S  | 744  | 345 | 690  | 630  | 12x12 | 15,0        |
| EMB-710T  | 824  | 250 | 770  | 710  | 16x12 | 14,3        |
| EMB-800T  | 914  | 250 | 860  | 800  | 16x12 | 16,1        |
| EMB-900S  | 1014 | 385 | 970  | 900  | 16x15 | 24,0        |
| EMB-1000S | 1114 | 385 | 1070 | 1000 | 16x15 | 26,8        |
| EMB-1120S | 1234 | 385 | 1190 | 1120 | 20x15 | 32,0        |
| EMB-1250S | 1364 | 515 | 1320 | 1250 | 20x15 | 42,6        |
| EMB-1400S | 1516 | 610 | 1470 | 1400 | 20x15 | 66,0        |
| EMB-1600S | 1716 | 610 | 1680 | 1600 | 20x18 | 76,0        |



From 100 up to 500 models\*

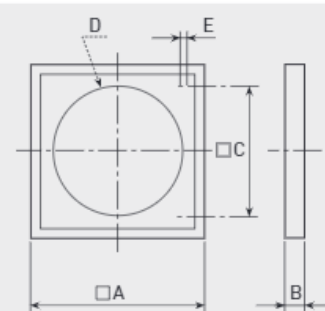


From 560 up to 1000 models\*

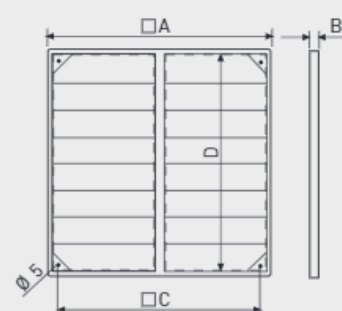
## PER-W

Louvre back draft shutters manufactured totally from UV stabilized plastic material.  
Colour: Light grey (RAL 7035)

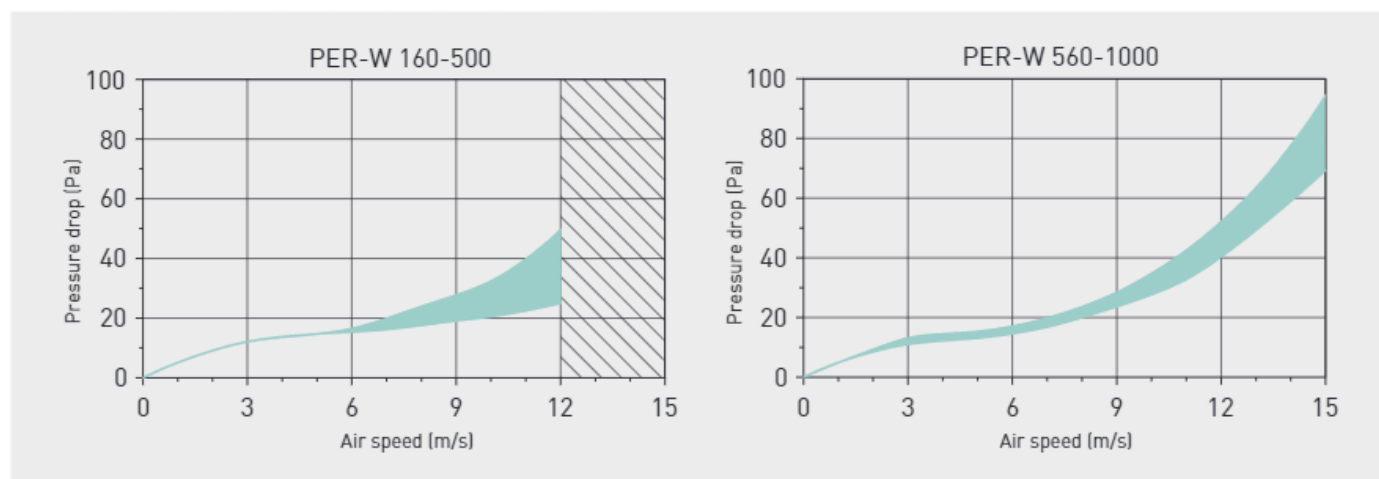
| Model     | Ø A | B  | C   | Ø D | Ø E |
|-----------|-----|----|-----|-----|-----|
| PER-100 W | 123 | 12 | 90  | 98  | 4   |
| PER-125 W | 158 | 15 | 110 | 130 | 4   |
| PER-160 W | 178 | 20 | 130 | 152 | 4   |
| PER-200 W | 243 | 21 | 184 | 205 | 5   |
| PER-250 W | 294 | 26 | 233 | 260 | 5   |
| PER-355 W | 394 | 26 | 310 | 360 | 5   |
| PER-400 W | 457 | 26 | 365 | 420 | 5   |
| PER-450 W | 499 | 31 | 395 | 460 | 5   |
| PER-500 W | 548 | 31 | 443 | 510 | 5   |



| Model      | Ø A  | D    | Ø C | B  |
|------------|------|------|-----|----|
| PER-560 W  | 605  | 565  | 522 | 28 |
| PER-630 W  | 696  | 655  | 626 | 31 |
| PER-710 W  | 760  | 720  | 692 | 40 |
| PER-800 W  | 840  | 800  | 772 | 40 |
| PER-1000 W | 1040 | 1000 | 972 | 40 |



## Pressure drop



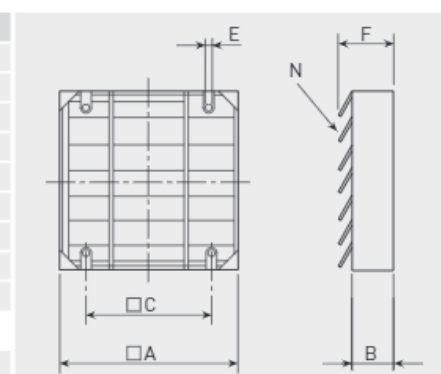
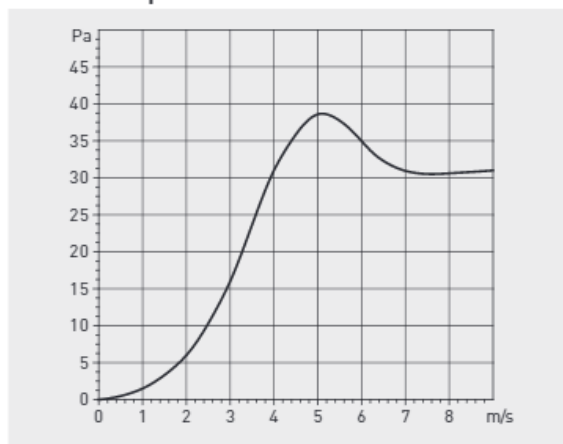


## PER-CN

Louvre back draft shutters with steel frame and aluminium shutter blades. All models are fitted with bird guard.

| Model       | A    | B  | C   | ØE | F   | N  |
|-------------|------|----|-----|----|-----|----|
| PER-250 CN  | 333  | 40 | 287 | 8  | 104 | 6  |
| PER-355 CN  | 398  | 40 | 352 | 8  | 104 | 7  |
| PER-400 CN  | 451  | 40 | 405 | 8  | 104 | 8  |
| PER-450 CN  | 504  | 40 | 458 | 8  | 104 | 9  |
| PER-500 CN  | 557  | 40 | 511 | 8  | 104 | 10 |
| PER-630 CN  | 700  | 50 | 590 | 10 | 187 | 5  |
| PER-710 CN  | 800  | 50 | 690 | 10 | 187 | 6  |
| PER-800 CN  | 900  | 50 | 790 | 10 | 187 | 7  |
| PER-1000 CN | 1100 | 50 | 990 | 10 | 187 | 8  |

### Pressure drop

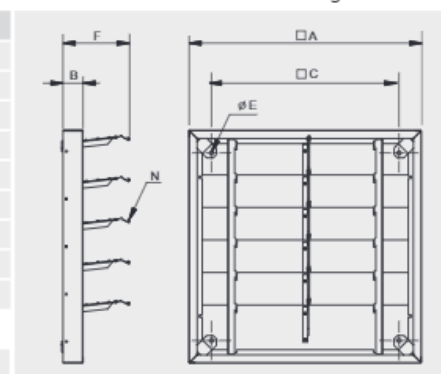
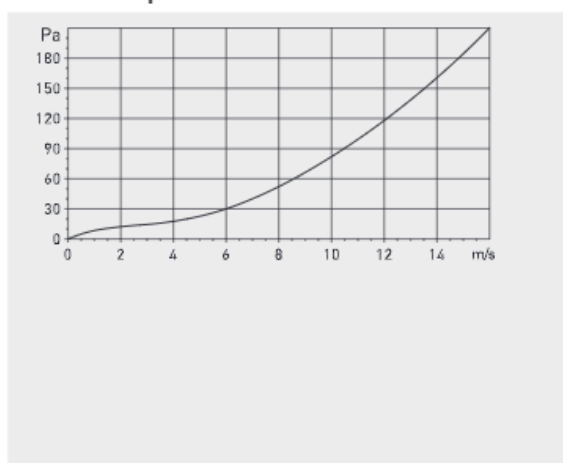


## PER-CR

Louvre back draft shutters with steel frame and aluminium shutter blades with a system for simultaneous opening of all shutter blades. All models are fitted with bird guard.

| Model       | A    | B  | C   | ØE | F   | N |
|-------------|------|----|-----|----|-----|---|
| PER-250 CR  | 386  | 60 | 287 | 8  | 146 | 4 |
| PER-355 CR  | 450  | 60 | 352 | 8  | 146 | 5 |
| PER-400 CR  | 503  | 60 | 405 | 8  | 146 | 6 |
| PER-450 CR  | 556  | 60 | 458 | 8  | 146 | 7 |
| PER-500 CR  | 610  | 60 | 511 | 8  | 146 | 7 |
| PER-630 CR  | 700  | 60 | 590 | 10 | 200 | 5 |
| PER-710 CR  | 800  | 60 | 690 | 10 | 200 | 6 |
| PER-800 CR  | 900  | 60 | 790 | 10 | 200 | 7 |
| PER-1000 CR | 1100 | 60 | 990 | 10 | 200 | 8 |

### Pressure drop





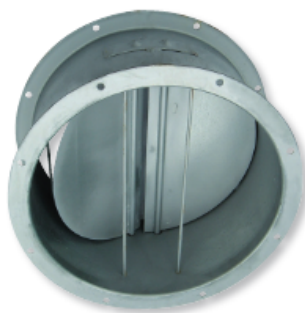
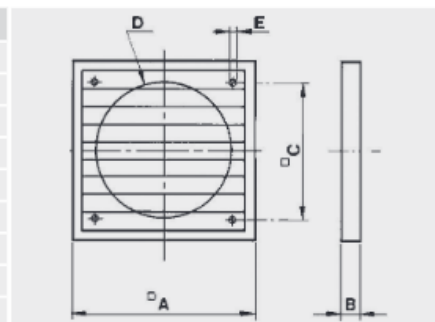


## PER-EX

Louvre back draft shutters.  
Explosion proof versions for zone 1  
and zone 2.

- Automatic.
- Black colour.
- Frame and blades in plastic material.
- Air maximum speed 12 m/s.

| Model      | A          | B  | Ø C | Ø D | Ø E |
|------------|------------|----|-----|-----|-----|
| PER-200 EX | 244        | 22 | 182 | 210 | 5   |
| PER-315 EX | 344        | 26 | 275 | 314 | 5   |
| PER-355 EX | 397        | 26 | 310 | 360 | 5   |
| PER-400 EX | 459        | 26 | 364 | 420 | 5   |
| PER-450 EX | 501        | 31 | 395 | 460 | 5   |
| PER-500 EX | 549        | 31 | 445 | 510 | 5   |
| PER-560 EX | 605        | 28 | 552 | -   | 5   |
| PER-630 EX | 696        | 31 | 626 | -   | 5   |
| PER-710 EX | On request |    |     |     | 5   |

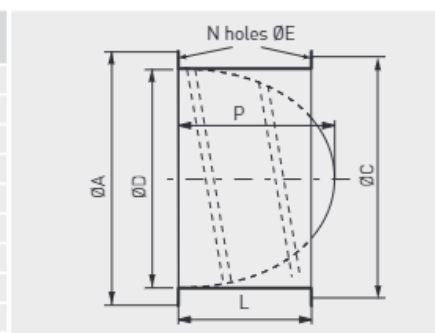


## CLAR

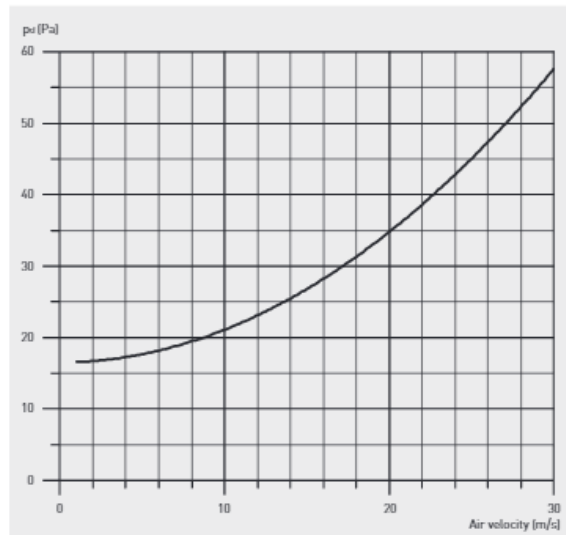
Back draft shutter to be installed within  
circular ducting to prevent back draft of  
air when the fans are switched off.  
- To be mounted on the discharge section.

For TGT/THGT form B, it shall be long  
casing version, or short case plus an  
extension.

| Model     | Ø A  | Ø C  | Ø D  | Ø E | N  | L   | P   | Weight<br>(kg) |
|-----------|------|------|------|-----|----|-----|-----|----------------|
| CLAR-400  | 487  | 450  | 400  | 12  | 8  | 250 | 235 | 9,5            |
| CLAR-450  | 537  | 500  | 450  | 12  | 8  | 250 | 260 | 11             |
| CLAR-500  | 595  | 560  | 500  | 12  | 12 | 250 | 285 | 12,5           |
| CLAR-560  | 655  | 620  | 560  | 12  | 12 | 250 | 315 | 14             |
| CLAR-630  | 725  | 690  | 630  | 12  | 12 | 250 | 350 | 16,5           |
| CLAR-710  | 806  | 770  | 710  | 12  | 16 | 300 | 395 | 27,5           |
| CLAR-800  | 896  | 860  | 800  | 12  | 16 | 300 | 435 | 31,5           |
| CLAR-900  | 1005 | 970  | 900  | 15  | 16 | 300 | 485 | 36,5           |
| CLAR-1000 | 1105 | 1070 | 1000 | 15  | 16 | 300 | 535 | 41,5           |
| CLAR-1120 | 1225 | 1190 | 1120 | 15  | 20 | 450 | 630 | 60             |
| CLAR-1250 | 1355 | 1320 | 1250 | 15  | 20 | 450 | 660 | 68,5           |
| CLAR-1400 | 1512 | 1470 | 1400 | 15  | 20 | 450 | 740 | 79,5           |
| CLAR-1600 | 1772 | 1680 | 1600 | 20  | 24 | 500 | 840 | 101,0          |



## Pressure drop

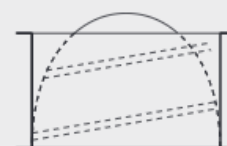


## Working positions

### Horizontal flow



Vertical flow upwards, as long as  
the air speed is greater than 11 m/s.

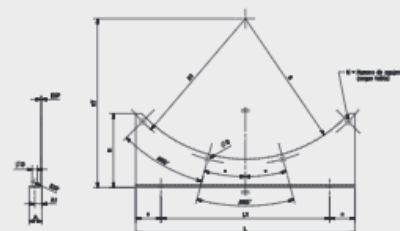




**PIE**

Support feet.  
 For installation with the COMPACT  
 TCBB-TCBT and TTT ranges of in-line  
 cased axial fans. Supplied in pairs.

| Model       | A  | A1 | L   | L1  | HT  | H   | R   | R1    | D    | N | ANG | ESP |
|-------------|----|----|-----|-----|-----|-----|-----|-------|------|---|-----|-----|
| PIE SOP-250 | 24 | 14 | 232 | 180 | 200 | 115 | 130 | 146   | 10,5 | 2 | 90  | 2   |
| PIE SOP-315 | 24 | 14 | 352 | 224 | 224 | 172 | 167 | 177,5 | 10,5 | 4 | 45  | 2   |
| PIE SOP-355 | 24 | 14 | 389 | 250 | 250 | 188 | 187 | 197,5 | 10,5 | 4 | 45  | 2   |
| PIE SOP-400 | 24 | 14 | 446 | 280 | 280 | 208 | 213 | 225   | 12,5 | 4 | 45  | 2   |
| PIE SOP-450 | 24 | 14 | 492 | 315 | 315 | 236 | 238 | 250   | 12,5 | 4 | 45  | 2,5 |
| PIE SOP-500 | 24 | 14 | 425 | 315 | 315 | 135 | 268 | 280   | 12,5 | 4 | 30  | 2,5 |
| PIE SOP-560 | 30 | 17 | 475 | 355 | 355 | 155 | 298 | 310   | 12,5 | 4 | 30  | 3   |
| PIE SOP-630 | 30 | 17 | 520 | 400 | 400 | 175 | 333 | 345   | 12,5 | 4 | 30  | 3   |

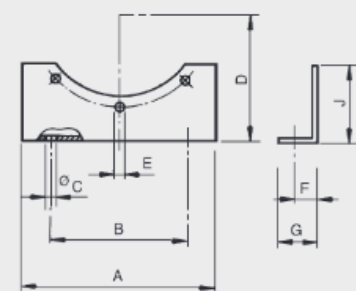


**PIE SOP.TGT/THGT**

Support feet.  
 For the installation with the TGT/THGT  
 ranges of in-line cased axial fans.  
 Supplied in pairs. It can be for horizontal  
 or vertical mounting installations.

**Support feet for horizontal mounting installations**

| Model                 | A    | B    | Ø C  | D     | Ø E  | F  | G   | J   | Nº of holes | Weight (kg) |
|-----------------------|------|------|------|-------|------|----|-----|-----|-------------|-------------|
| PIE SOP.TGT/THGT-400  | 446  | 280  | 12,5 | 280   | 12,5 | 14 | 24  | 208 | 4           | 0,9         |
| PIE SOP.TGT/THGT-450  | 492  | 315  | 12,5 | 315   | 12,5 | 14 | 24  | 236 | 4           | 1,4         |
| PIE SOP.TGT/THGT-500  | 425  | 315  | 12,5 | 315   | 12,5 | 14 | 24  | 135 | 4           | 0,8         |
| PIE SOP.TGT/THGT-560  | 475  | 355  | 12,5 | 355   | 12,5 | 17 | 30  | 155 | 4           | 1,3         |
| PIE SOP.TGT/THGT-630  | 520  | 400  | 12,5 | 400   | 12,5 | 17 | 30  | 175 | 4           | 1,6         |
| PIE SOP.TGT/THGT-710  | 560  | 480  | 12,5 | 433   | 12,5 | 22 | 45  | 135 | 4           | 2,3         |
| PIE SOP.TGT/THGT-800  | 600  | 555  | 12,5 | 473   | 12,5 | 32 | 50  | 155 | 4           | 2,5         |
| PIE SOP.TGT/THGT-900  | 950  | 800  | 15,0 | 540   | 15,0 | 30 | 60  | 300 | 6           | 9           |
| PIE SOP.TGT/THGT-1000 | 1020 | 880  | 15,0 | 573   | 15,0 | 35 | 60  | 300 | 6           | 9,1         |
| PIE SOP.TGT/THGT-1120 | 1050 | 975  | 15,0 | 637,5 | 15,0 | 35 | 60  | 260 | 6           | 9,3         |
| PIE SOP.TGT/THGT-1250 | 1100 | 1030 | 15,0 | 714   | 15,0 | 35 | 60  | 280 | 6           | 10          |
| PIE SOP.TGT/THGT-1400 | 1300 | 1200 | 15,0 | 781   | 15,0 | 60 | 100 | 310 | 6           | 19,2        |
| PIE SOP.TGT/THGT-1600 | 1750 | 1650 | 20,0 | 910   | 20,0 | 60 | 100 | 450 | 8           | 33,6        |



**Support for vertical mounting installations**

| Model                   | A    | B    | Ø C  | D     | E     | F  | G   | H   | Weight (kg) |
|-------------------------|------|------|------|-------|-------|----|-----|-----|-------------|
| PIE SOP.TGT/THGT-400 V  | 477  | 435  | 12,5 | 280   | 4x145 | 20 | 40  | 210 | 1,7         |
| PIE SOP.TGT/THGT-450 V  | 523  | 483  | 12,5 | 305   | 4x161 | 20 | 40  | 225 | 1,9         |
| PIE SOP.TGT/THGT-500 V  | 486  | 444  | 12,5 | 335   | 4x148 | 20 | 40  | 155 | 1,8         |
| PIE SOP.TGT/THGT-560 V  | 523  | 483  | 12,5 | 365   | 4x161 | 20 | 40  | 160 | 2           |
| PIE SOP.TGT/THGT-630 V  | 582  | 540  | 12,5 | 400   | 4x180 | 20 | 40  | 175 | 2,3         |
| PIE SOP.TGT/THGT-710 V  | 548  | 488  | 12,5 | 468   | 5x122 | 30 | 45  | 165 | 3,2         |
| PIE SOP.TGT/THGT-800 V  | 600  | 552  | 12,5 | 490   | 4x184 | 20 | 40  | 150 | 3           |
| PIE SOP.TGT/THGT-900 V  | 900  | 836  | 15   | 562   | 5x209 | 40 | 60  | 315 | 10,4        |
| PIE SOP.TGT/THGT-1000 V | 985  | 892  | 15   | 633   | 5x223 | 40 | 60  | 360 | 12,7        |
| PIE SOP.TGT/THGT-1120 V | 1030 | 900  | 15   | 637,5 | 5x225 | 35 | 60  | 280 | 13,1        |
| PIE SOP.TGT/THGT-1250 V | 1130 | 960  | 15   | 702,5 | 5x240 | 35 | 60  | 300 | 14,8        |
| PIE SOP.TGT/THGT-1400 V | 1250 | 1100 | 15   | 781   | 5x275 | 60 | 100 | 320 | 21,3        |
| PIE SOP.TGT/THGT-1600 V | 1530 | 1300 | 20   | 910   | 5x325 | 60 | 100 | 430 | 31,8        |

