

# CALFLO

## Gasgestookte make-up air luchtverwarmer

Luchtverwarmer waarbij de brander zich direct in de  
luchtstroom bevindt. Vermogens van 64 tot 896 kW.



Voor meer informatie,  
downloads en video's,  
ga naar de Calflo  
pagina op onze  
website



## Maximaal rendement bij grote luchthoeveelheden

De Mark CALFLO is een make-up air verwarmingssysteem. Dit houdt in dat de brander (en de vlam) zich direct in de luchtstroom bevindt wat resulteert in een maximaal rendement. De rookgassen zijn dermate schoon dat zij in het gebouw geblazen mogen worden. De CALFLO wordt toegepast voor verwarming van ruimten waar veel geventileerd moet worden. Het toestel is voorzien van een modulerende RVS-brander en een zeewaterbestendige aluminium omkasting.

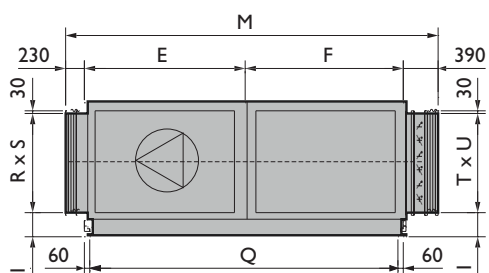
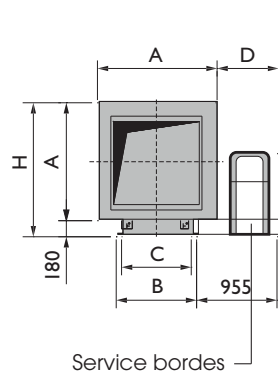
Toepasbaar in o.a. staalstraalhallen, lashallen, procesindustrie.



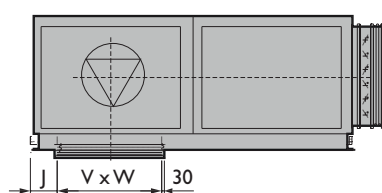
### Productkenmerken

- RVS lijn- of boxbranders
- Zeewaterbestendig aluminium AlMg3 omkasting (enkelwandig/dubbelwandig)
- Laag gewicht
- Leverbaar zowel in binnen- als buitenopstelling
- Grote luchtopbrengsten
- Groot regelbereik door toepassing van een modulerende brander
- Lange levensduur
- Uitgebreide configuratiemogelijkheden
- Betrouwbaar
- HT filters (optioneel)

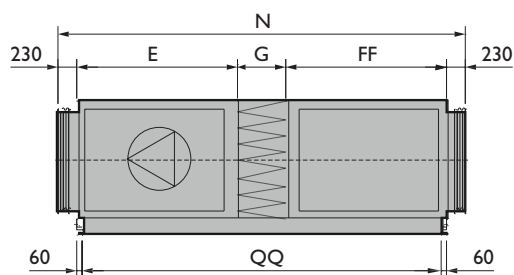
# Afmetingen



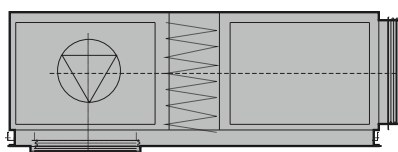
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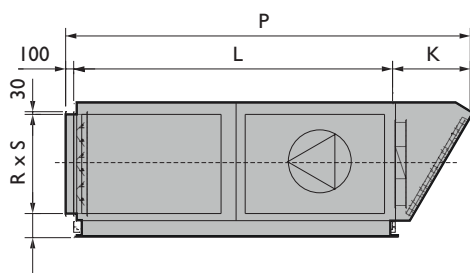
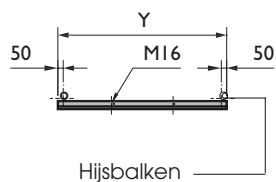
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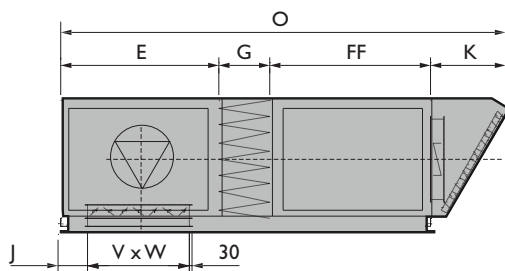
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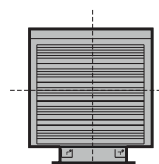
4



5



6



1-4: Binnenopstelling  
5&6: Buitenopstelling

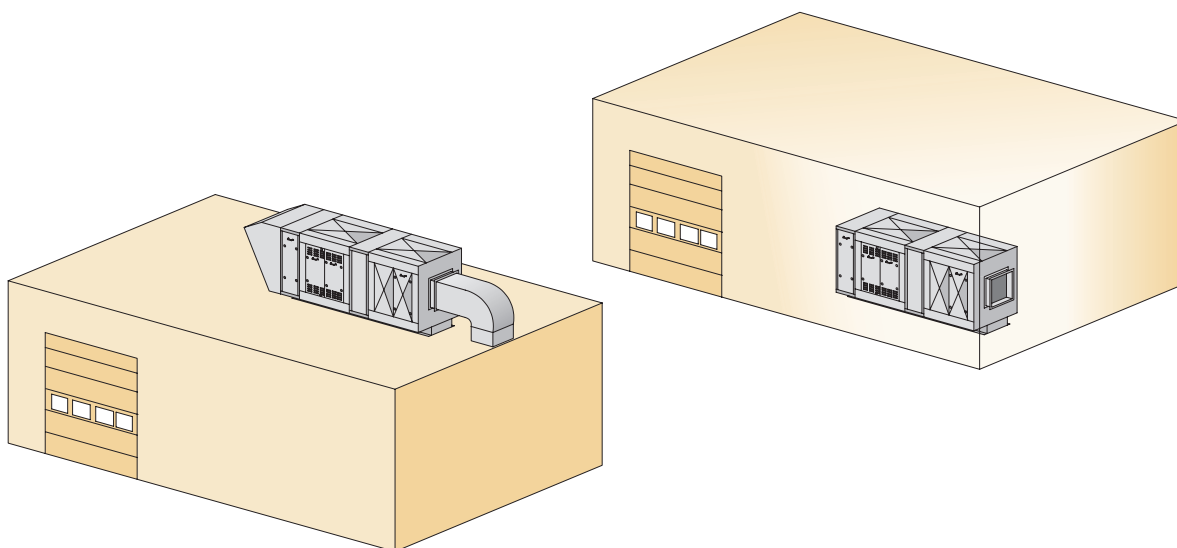
Deze tabel behoort bij de vorige pagina.

| Type    | A    | B    | C    | D   | E    | F    | FF   | G   | H    | I   | J   | K    | L    | M    | N    | O    | P    | Q    | QQ   | RxS       | TxU       | VxW       | Y    |
|---------|------|------|------|-----|------|------|------|-----|------|-----|-----|------|------|------|------|------|------|------|------|-----------|-----------|-----------|------|
| 55CK55  | 1090 | 870  | 750  | 845 | 1090 | 1090 | 1680 | 590 | 1270 | 295 | 160 | 745  | 2180 | 2800 | 3820 | 4105 | 3025 | 2040 | 3220 | 860x820   | 1025x1020 | 820x530   | 1400 |
| 55CK35  | 1090 | 870  | 750  | 845 | 1090 | 1090 | 1680 | 590 | 1270 | 295 | 160 | 745  | 2180 | 2800 | 3820 | 4105 | 3025 | 2040 | 3220 | 860x820   | 1025x1020 | 820x530   | 1400 |
| 110CK55 | 1090 | 870  | 750  | 845 | 1090 | 1090 | 1680 | 590 | 1270 | 295 | 160 | 745  | 2180 | 2800 | 3820 | 4105 | 3025 | 2040 | 3220 | 860x820   | 1025x1020 | 820x530   | 1400 |
| 110CK35 | 1090 | 870  | 750  | 845 | 1090 | 1090 | 1680 | 590 | 1270 | 295 | 160 | 745  | 2180 | 2800 | 3820 | 4105 | 3025 | 2040 | 3220 | 860x820   | 1025x1020 | 820x530   | 1400 |
| 165CK55 | 1404 | 960  | 840  | 733 | 1900 | 1900 | 1900 | 600 | 1584 | 287 | 340 | 915  | 3800 | 4420 | 4860 | 5315 | 4815 | 3680 | 4280 | 1190x1220 | 1190x1220 | 1220x695  | 2000 |
| 165CK35 | 1404 | 960  | 840  | 733 | 1900 | 1900 | 1900 | 600 | 1584 | 287 | 340 | 915  | 3800 | 4420 | 4860 | 5315 | 4815 | 3680 | 4280 | 1190x1220 | 1190x1220 | 1220x695  | 2000 |
| 220CK55 | 1404 | 960  | 840  | 733 | 1900 | 1900 | 1900 | 600 | 1584 | 287 | 340 | 915  | 3800 | 4420 | 4860 | 5315 | 4815 | 3680 | 4280 | 1190x1220 | 1190x1220 | 1220x695  | 2000 |
| 220CK35 | 1404 | 960  | 840  | 733 | 1900 | 1900 | 1900 | 600 | 1584 | 287 | 340 | 915  | 3800 | 4420 | 4860 | 5315 | 4815 | 3680 | 4280 | 1190x1220 | 1190x1220 | 1220x695  | 2000 |
| 275CK55 | 1404 | 960  | 840  | 733 | 1900 | 1900 | 1900 | 600 | 1584 | 287 | 340 | 915  | 3800 | 4420 | 4860 | 5315 | 4815 | 3680 | 4280 | 1190x1220 | 1190x1220 | 1220x695  | 2000 |
| 275CK35 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 330CK55 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 330CK35 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 385CK55 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 385CK35 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 440CK55 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 495CK55 | 1804 | 1370 | 1250 | 738 | 1900 | 1900 | 1900 | 600 | 1984 | 405 | 240 | 1165 | 3800 | 4420 | 4860 | 5565 | 5065 | 3680 | 4280 | 1355x1420 | 1685x1620 | 1420x1025 | 2400 |
| 440CK35 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 495CK35 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 550CK55 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 550CK35 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 660CK55 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 660CK35 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 770CK55 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |
| 770CK35 | 2204 | 1810 | 1690 | 758 | 2200 | 2200 | 2200 | 600 | 2384 | 357 | 190 | 1280 | 4400 | 5020 | 5460 | 6280 | 5780 | 4280 | 4880 | 1850x1820 | 2015x2020 | 1820x1355 | 2800 |

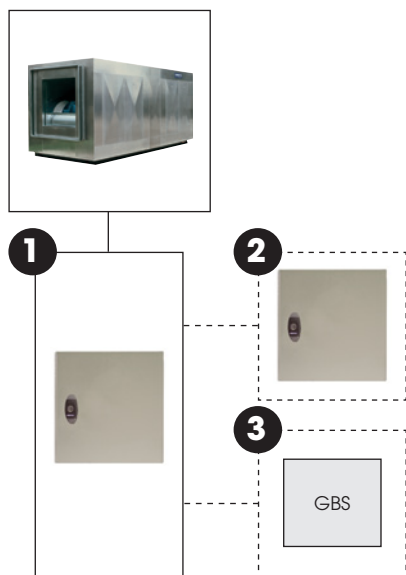
## Technische informatie

| Type                           |      | 55   | 110   | 165   | 220   | 275   | 330   | 385   | 440   | 495   | 550   | 660   | 770   |
|--------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Nominale belasting (bw.)       | kW   | 71   | 142   | 213   | 284   | 356   | 427   | 498   | 569   | 640   | 712   | 854   | 996   |
| Nominale belasting (ow.)       | kW   | 64   | 128   | 192   | 256   | 320   | 384   | 448   | 512   | 576   | 640   | 768   | 896   |
| Minimale belasting (ow.)       | kW   | 3,2  | 6,4   | 9,6   | 12,8  | 16,0  | 19,2  | 22,4  | 25,6  | 28,8  | 32,0  | 38,4  | 44,8  |
| Regelbereik brander            |      | 20:1 | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  | 20:1  |
| Gasverbruik G25 (15°C)         | m³/h | 7,9  | 15,8  | 23,6  | 31,5  | 39,4  | 47,3  | 55,1  | 63,0  | 70,9  | 78,8  | 94,5  | 110,3 |
| Gasverbruik G25.3 (15°C)       | m³/h | 7,7  | 15,4  | 23,1  | 30,8  | 38,5  | 46,2  | 53,9  | 61,6  | 69,3  | 77,0  | 92,4  | 107,8 |
| Gasverbruik G20 (15°C)         | m³/h | 6,8  | 13,5  | 20,3  | 27,1  | 33,9  | 40,6  | 47,4  | 54,2  | 60,9  | 67,7  | 81,3  | 94,8  |
| Gasverbruik G31 (15°C)         | kg/h | 5,0  | 9,9   | 14,9  | 19,9  | 24,8  | 29,8  | 34,8  | 39,7  | 44,7  | 49,7  | 59,6  | 69,5  |
| Gasverbruik G30 (15°C)         | kg/h | 5,1  | 10,1  | 15,2  | 20,2  | 25,3  | 30,3  | 35,4  | 40,4  | 45,5  | 50,5  | 60,6  | 70,7  |
| Luchtverplaatsing ΔT35K (15°C) | m³/h | 5430 | 10870 | 16300 | 21740 | 27170 | 32600 | 38040 | 43470 | 48900 | 54340 | 65200 | 76080 |
| Ventilatortype ΔT35K           |      | 355  | 450   | 560   | 560   | 710   | 710   | 710   | 900   | 900   | 900   | 900   | 1000  |
| Luchtverplaatsing ΔT55K (15°C) | m³/h | 3500 | 7020  | 10450 | 14130 | 17510 | 20800 | 24350 | 27820 | 31210 | 34730 | 41680 | 48700 |
| Ventilatortype ΔT55K           |      | 355  | 450   | 560   | 560   | 560   | 710   | 710   | 710   | 710   | 900   | 900   | 900   |

## Montage- en plaatsingssuggesties



## Regelingen



### Regelingcombinatie mogelijkheden

|                             |   |          |   |          |
|-----------------------------|---|----------|---|----------|
| Calflo                      | + | <b>1</b> |   |          |
| Calflo aan/uit of hoog/laag | + | <b>1</b> | + | <b>2</b> |
| Calflo aan/uit of hoog/laag | + | <b>1</b> | + | <b>3</b> |

1 = Motor besturingskast

2 = Afstandsbediening C10 CALFLO aan/uit

Afstandsbediening C12 CALFLO aan/uit met klok

Afstandsbediening C20 CALFLO hoog/laag

Afstandsbediening C22 CALFLO hoog/laag met klok

Voor toelichting zie hoofdstuk regelapparatuur