

Avfuktare Flexisorb

# RECUSORB / CONSORB



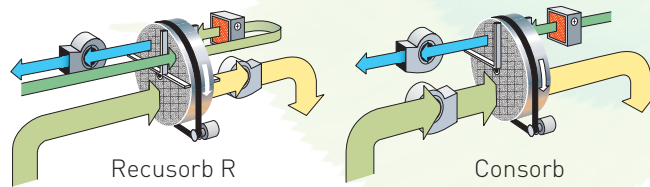
Torrluftflöde

900 - 61 100 m<sup>3</sup>/h

- ↘ Flexibel design
- ↘ Kundenpassad
- ↘ Tvättbar rotor
- ↘ Energisnål och miljövänlig
- ↘ Optimerad styrning
- ↘ Utdragbar rotorenhet

**Flexisorb:** Ett aggregat med många lösningar. Flexisorbssystemet gör att varje aggregat kan anpassas till kundens specifika behov.





| Recusorb - with internal heat recovery for good energy efficiency |                     |                     |                 |                 |                           |                |
|---|---------------------|---------------------|-----------------|-----------------|---------------------------|----------------|
| Unit  | Min process airflow | Max process airflow | Max wet airflow | Heater power    | 2 g/kg from 10°C/100%RH * | Heater power * |
| RF-081  | 900 m3/h            | 4 500 m3/h          | 900 m3/h        | 8+8+8=24kW      | 2 500 m3/h                | 22 kW          |
| RF-101  | 1 500 m3/h          | 7 000 m3/h          | 1 900 m3/h      | 24+12+6=42kW    | 3 600 m3/h                | 31 kW          |
| RF-102  | 3 000 m3/h          | 9 700 m3/h          | 2 900 m3/h      | 40+20+10=70kW   | 6 500 m3/h                | 54 kW          |
| RF-122  | 4 800 m3/h          | 15 600 m3/h         | 5 400 m3/h      | 64+32+16=112kW  | 10 600 m3/h               | 88 kW          |
| RF-152  | 7 600 m3/h          | 24 800 m3/h         | 7 300 m3/h      | 100+50+25=175kW | 16 800 m3/h               | 140 kW         |
| RF-172  | 9 700 m3/h          | 31 500 m3/h         | 9 300 m3/h      | 226kW           | 21 300 m3/h               | 177 kW         |
| RF-192  | 12 000 m3/h         | 39 900 m3/h         | 11 800 m3/h     | 288kW           | 27 100 m3/h               | 225 kW         |
| RF-222  | 16 000 m3/h         | 51 300 m3/h         | 15 100 m3/h     | 368kW           | 34 800 m3/h               | 289 kW         |
| RF-242  | 19 000 m3/h         | 61 100 m3/h         | 18 000 m3/h     | 438kW           | 41 500 m3/h               | 345 kW         |

\* Process air flow to have dry air at 33°C / 2g/kg with: - process air inlet 10°C / 100%RH  
 - wet air inlet at 30°C / 12 g/kg - wet air flow 36% of process air flow  
 - regeneration temperature 140°C - purge by-pass

| Consorb 75/25 - for large differences in moisture content between process and regeneration inlet |                     |                     |                 |                    |                           |                |
|--|---------------------|---------------------|-----------------|--------------------|---------------------------|----------------|
| Unit   | Min process airflow | Max process airflow | Max wet airflow | Heater power       | 2 g/kg from 10°C/100%RH * | Heater power * |
| CF-081 75/25   | 1 000 m3/h          | 4 500 m3/h          | 900 m3/h        | 8+8+8=24kW         | 2 400 m3/h                | 24 kW          |
| CF-101 75/25   | 2 000 m3/h          | 7 000 m3/h          | 1 900 m3/h      | 24+12+12=48kW      | 3 900 m3/h                | 39 kW          |
| CF-102 75/25   | 3 700 m3/h          | 9 700 m3/h          | 2 900 m3/h      | 40+20+10+10=80kW   | 7 800 m3/h                | 75 kW          |
| CF-122 75/25   | 6 000 m3/h          | 15 600 m3/h         | 5 400 m3/h      | 64+32+16+16=128kW  | 12 700 m3/h               | 123 kW         |
| CF-152 75/25   | 9 500 m3/h          | 24 800 m3/h         | 7 300 m3/h      | 100+50+25+25=200kW | 20 000 m3/h               | 193 kW         |
| CF-172 75/25   | 12 000 m3/h         | 31 500 m3/h         | 9 300 m3/h      | 260kW              | 25 000 m3/h               | 241 kW         |
| CF-192 75/25   | 15 000 m3/h         | 39 900 m3/h         | 11 800 m3/h     | 330kW              | 32 000 m3/h               | 308 kW         |
| CF-222 75/25   | 19 000 m3/h         | 51 300 m3/h         | 15 100 m3/h     | 420kW              | 42 000 m3/h               | 404 kW         |
| CF-242 75/25   | 23 000 m3/h         | 61 100 m3/h         | 18 000 m3/h     | 500kW              | 50 000 m3/h               | 481 kW         |

\* Process air flow to have dry air at 36°C / 2g/kg with: - process air inlet 10°C / 100%RH  
 - wet air flow at 33°C / 23 g/kg - wet air flow 26% of process air flow  
 - regeneration temperature 140°C

| Consorb 60/40 - when low-cost energy at low temperatures is available |                    |                     |                      |  |
|---|--------------------|---------------------|----------------------|--|
| Unit  | Regen. temp 45°C * | Regen. temp 70°C ** | Regen. temp 90°C *** |  |
| CF-081 60/40  | 1 800 m3/h         | 2 100 m3/h          | 2 000 m3/h           | * Process air flow to have dry air at 6 g/kg with regeneration temperature 45°C.   |
| CF-101 60/40  | 2 900 m3/h         | 3 300 m3/h          | 3 200 m3/h           |  |
| CF-102 60/40  | 5 700 m3/h         | 6 500 m3/h          | 6 300 m3/h           |  |
| CF-122 60/40  | 9 300 m3/h         | 10 600 m3/h         | 10 300 m3/h          | ** Process air flow to have dry air at 4 g/kg with regeneration temperature 70°C.  |
| CF-152 60/40  | 14 700 m3/h        | 16 800 m3/h         | 16 200 m3/h          | *** Process air flow to have dry air at 3 g/kg with regeneration temperature 90°C.   |
| CF-172 60/40  | 18 700 m3/h        | 21 300 m3/h         | 20 700 m3/h          |  |
| CF-192 60/40  | 23 700 m3/h        | 27 000 m3/h         | 26 200 m3/h          | For all Consorb 60/40 data: Process air and regeneration air inlet at 20°C / 60%RH / 8,7g/kg. Wet air flow 2/3 of process airflow. |
| CF-222 60/40  | 30 400 m3/h        | 34 700 m3/h         | 33 600 m3/h          |  |
| CF-242 60/40  | 36 200 m3/h        | 41 300 m3/h         | 40 100 m3/h          |  |

| Recusorb dp - for low dewpoints, one pushing fan for both dry air and wet air |                   |                |                    |                 |                     |                  |
|---|-------------------|----------------|--------------------|-----------------|---------------------|------------------|
| Unit  | Dew point -30°C * | Heater power * | Dew point -50°C ** | Heater power ** | Dew point -65°C *** | Heater power *** |
| RF-081 dp   | 900 m3/h          | 11 kW          | 400 m3/h           | 5 kW            | 400 m3/h            | 6 kW             |
| RF-101 dp   | 1 400 m3/h        | 17 kW          | 700 m3/h           | 9 kW            | 700 m3/h            | 10 kW            |
| RF-102 dp   | 2 900 m3/h        | 36 kW          | 1 400 m3/h         | 15 kW           | 1 400 m3/h          | 20 kW            |
| RF-122 dp   | 4 700 m3/h        | 58 kW          | 2 300 m3/h         | 29 kW           | 2 300 m3/h          | 33 kW            |
| RF-152 dp   | 7 600 m3/h        | 94 kW          | 3 800 m3/h         | 47 kW           | 3 800 m3/h          | 54 kW            |
| RF-172 dp   | 9 600 m3/h        | 119 kW         | 4 800 m3/h         | 60 kW           | 4 800 m3/h          | 69 kW            |
| RF-192 dp   | 12 200 m3/h       | 151 kW         | 6 100 m3/h         | 76 kW           | 6 100 m3/h          | 87 kW            |
| RF-222 dp   | 15 700 m3/h       | 195 kW         | 7 800 m3/h         | 97 kW           | 7 800 m3/h          | 111 kW           |
| RF-242 dp   | 18 700 m3/h       | 232 kW         | 9 300 m3/h         | 115 kW          | 9 300 m3/h          | 133 kW           |

\* Dry airflow to have dry air at -30°C dp with air inlet at 8°C/100%RH. Regeneration temperature 140°C  
 \*\* Dry airflow to have dry air at -50°C dp with air inlet at 5°C/100%RH. Regeneration temperature 140°C  
 \*\*\* Dry airflow to have dry air at -65°Cdp with air inlet at 5°C/100%RH. Zeolite rotor. Regeneration temperature 180°C  
 For all Recusorb dp: Wet air flow 1/2 of process air flow.

Rätten till ändringar utan föregående meddelande förbehålls. Installationsritning finns att ladda ner från [www.dst-sg.com](http://www.dst-sg.com)