

Deshydrateur Flexisorb

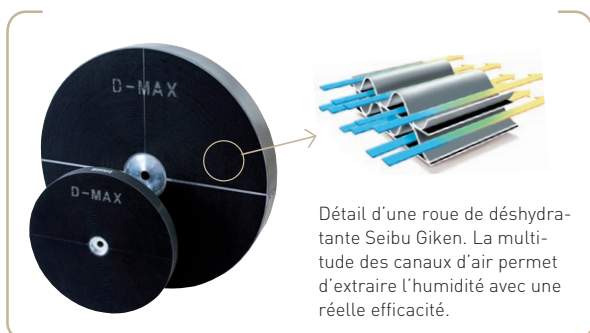
RECUSORB / CONSORB

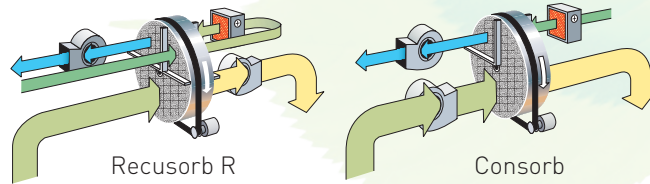


Débit d'air sec
900 - 61 100 m³/h

- ↘ Conception flexible
- ↘ Adapté à la demande
- ↘ Roue lavable
- ↘ Faibles coûts énergétiques
- ↘ Contrôle optimisés
- ↘ Cassette amovible

Flexisorb: une machine, plusieurs solutions.
Le système Flexisorb permet une adaptation optimale de vos besoins en fonction de vos spécifications.





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 | | | * Process air flow to have dry air at 6 g/kg with regeneration temperature 45°C. ** Process air flow to have dry air at 4 g/kg with regeneration temperature 70°C. *** Process air flow to have dry air at 3 g/kg with regeneration temperature 90°C. 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. |
|--------------|-------------|-------------|-------------|---|
| | 45°C * | 70°C ** | 90°C *** | |
| CF-081 60/40 | 1 800 m3/h | 2 100 m3/h | 2 000 m3/h | |
| 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 | |
| CF-152 60/40 | 14 700 m3/h | 16 800 m3/h | 16 200 m3/h | |
| 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 | |
| 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.

Changement sans préavis.