

# Summit Systems: Leaders in plastics ancillary equipment & services

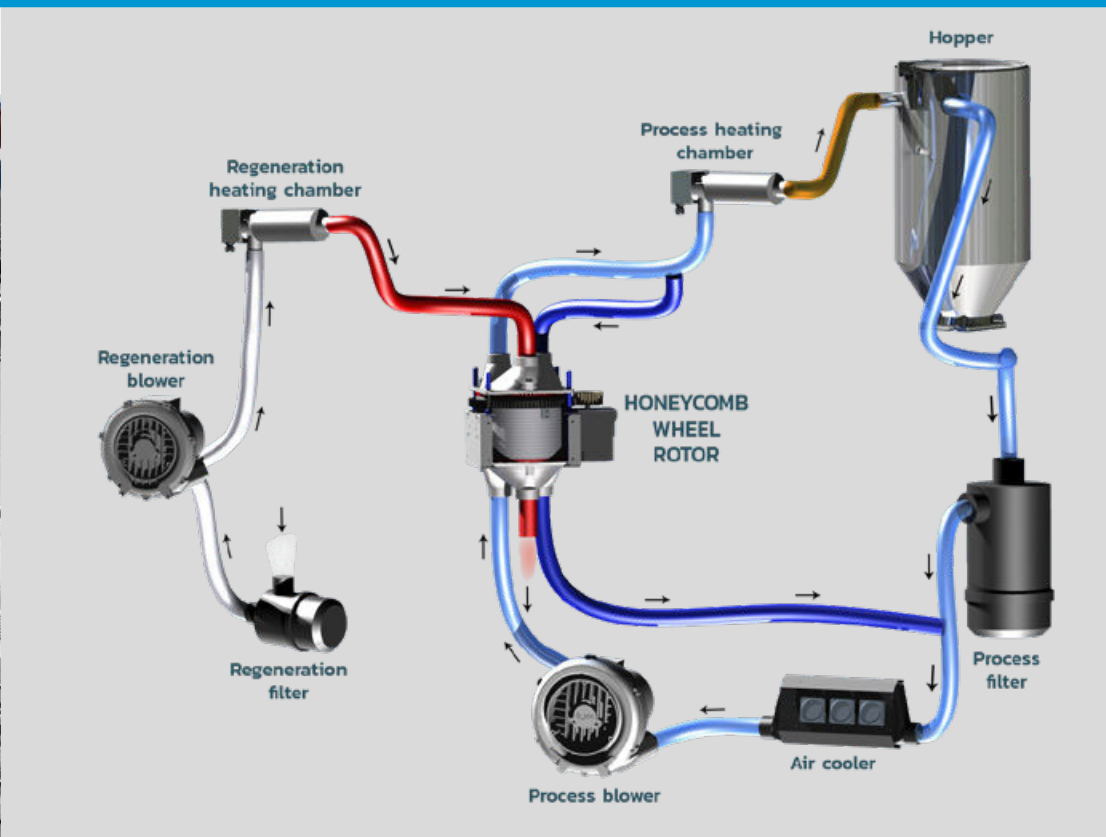


## DRYPLUS DP SERIES





## Vismec Dryplus DP Series



### TECHNICAL FEATURES

The wheel dryer offers a large number of important advantages:

- Dryer installed separate from the drying hopper
- Drying temperatures up to 180°C
- Constant and adjustable dew point of down to -50°C
- Energy saving up to 40% and more
- Energy monitoring system with large controller full text display
- No need of compressed air
- No need of cooling water
- Automatic or manual adjustable process air flow
- Material selection table with pre-set or programmable drying parameters
- Visual and acoustic alarm
- Smart Mode: automatic adaption of the drying process to the production needs by monitoring the return air temperature – no waste of energy
- MPM (Material Protection Management): protects the material from over drying and degradation by monitoring the loading system or return air temperature
- SLS (Safety Loading System): prevents that undried material is reaching the production machine by monitoring the drying time
- 5 Years warranty on the desiccant wheel

Choose from numerous additional options:

- Weekly timer
- Integrated or external portable dew point sensor
- Bio-material version for drying temperatures below 50°C
- Automatic throughput control in combination with our HALO
- Integration in the Vismec Supervision system 4.0 to operate from a PC, tablet or smart phone or other external management systems
- Clean room version for medical and pharma applications
- Remote control
- Filter sensor to prevent filter clogging
- Various mobile and stationary frames with and without castors
- Selection of suction boxes with different outlets and diameters
- Integrated brushless conveying system “feeding kit”

### DESICCANT WHEEL DRYER

The desiccant wheel dryer is the new generation of desiccant dehumidifying dryers. It is far more efficient, more compact and requires less maintenance.

Traditional dehumidifying dryers use a large volume of molecular sieves in pellet form composed by at least 30% of clay, which tends to degrade very easily over time.

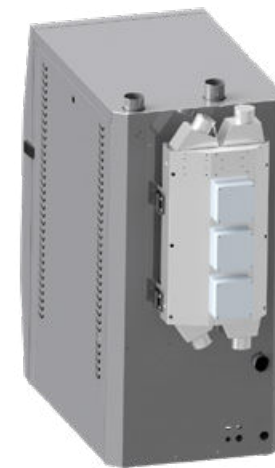
The desiccant wheel instead is completely different where the pure molecular sieve is applied to a synthetic substrate, rolled into a cylinder forming a honeycomb structure and covered by a steel protection.

### HOW THE WHEEL DRYER WORKS

The wheel is rotating driven by a step motor through 3 main sections: drying, regeneration and cooling.

- In the first section the humid process air coming from the material hopper through a return air filter is dried in two stages and the dry air is returned by the process blower through a heating chamber to the material in the drying hopper
- Parallel to that a part of the turning wheel is in regeneration with its own dedicated heat chamber and regeneration blower
- In the cooling section a part of the wheel is cooled down before it returns back into the drying process

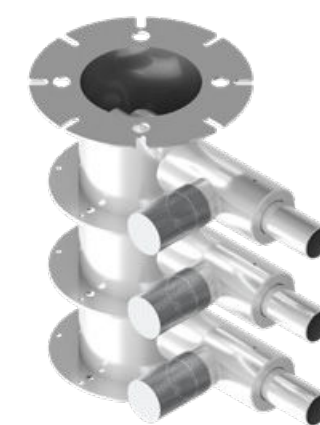
#### DP 160 + COOLER



#### DP 250 + H 400



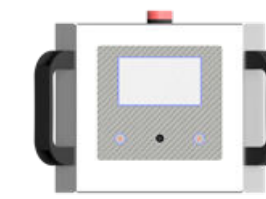
#### 3-WAY SUCTION VALVE



#### HALO



#### REMOTE CONTROL



#### FEEDING KIT





Vismec Dryplus DP Series

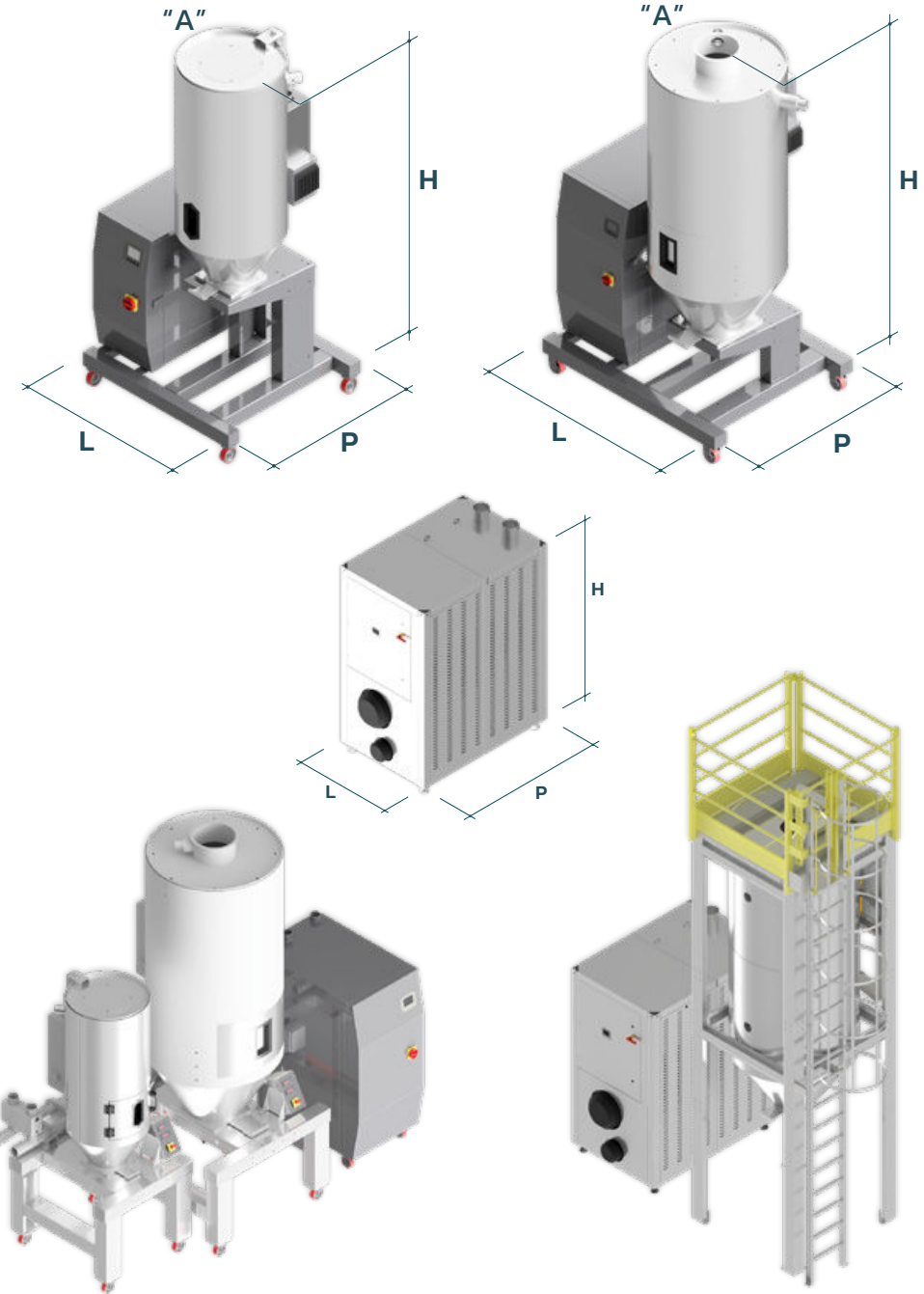


| TECHNICAL TABLE DP series |                  |                 |              |                    |                      |                |                          |                           |
|---------------------------|------------------|-----------------|--------------|--------------------|----------------------|----------------|--------------------------|---------------------------|
| MODEL                     | Temperature [°C] | Air Flow [m³/h] | Power Supply | Heating Power [kW] | Installed Power [kW] | Dew Point [°C] | Energy at 80°C [kW/Kg/h] | Energy at 120°C [kW/Kg/h] |
| DP 50                     | 50 – 185         | 20 – 50         | 3P+N 400V    | 2,5                | 4,2                  | 0 / -45        | 0,06                     | 0,08                      |
| DP 80                     | 55 – 185         | 30 – 80         | 3P+N 400V    | 3,5                | 5,5                  | 0 / -45        | 0,06                     | 0,08                      |
| DP 160                    | 55 – 185         | 75 – 160        | 3P+N 400V    | 7                  | 12,1                 | 0 / -50        | 0,06                     | 0,08                      |
| DP 250                    | 55 – 150         | 120 – 250       | 3P+N 400V    | 7 – 14             | 12,9 – 19,9          | 0 / -50        | 0,06                     | 0,08                      |
| DP 400                    | 55 – 150         | 180 – 400       | 3P+N 400V    | 14 – 21            | 24,9 – 31,9          | 0 / -50        | 0,06                     | 0,08                      |
| DP 630                    | 55 – 150         | 300 – 630       | 3P+N 400V    | 21 – 35            | 38,3 – 52,3          | 0 / -50        | 0,06                     | 0,08                      |
| DP 900                    | 55 – 150         | 340 – 900       | 3P 400V      | 35 – 42            | 58,7 – 65,7          | 0 / -50        | 0,06                     | 0,08                      |
| DP 1200                   | 55 – 150         | 450 – 1200      | 3P 400V      | 42 – 56            | 77,9 – 91,9          | 0 / -50        | 0,06                     | 0,08                      |
| DP 1700                   | 55 – 150         | 900 – 1700      | 3P 400V      | 56 – 77            | 106,6 – 127,2        | 0 / -50        | 0,06                     | 0,08                      |



| DRYER AND DRYING HOPPER COMBINATIONS – DIMENSIONAL TABLE |             |        |        |        |               |                           |
|----------------------------------------------------------|-------------|--------|--------|--------|---------------|---------------------------|
| MODEL                                                    | Hoppers     | L [mm] | P [mm] | H [mm] | Air Hose [mm] | Lid flange holes "A" [mm] |
| DP 50                                                    | 75 LITERS   | 940    | 852    | 1720   | 50            | 4 x M6 D 280              |
|                                                          | 100 LITERS  | 940    | 852    | 1975   | 50            | 4 x M6 D 280              |
|                                                          | 150 LITERS  | 940    | 852    | 2049   | 50            | 4 x M6 D 280              |
| DP 80                                                    | 100 LITERS  | 940    | 852    | 1975   | 50            | 4 x M6 D 280              |
|                                                          | 150 LITERS  | 940    | 852    | 2049   | 50            | 4 x M6 D 280              |
|                                                          | 200 LITERS  | 940    | 852    | 2344   | 50            | 4 x M6 D 280              |
| DP 160                                                   | 200 LITERS  | 1440   | 1155   | 2299   | 63,5          | 4 x M6 D 280              |
|                                                          | 300 LITERS  | 1440   | 1155   | 2398   | 63,5          | 4 x M6 D 280              |
|                                                          | 400 LITERS  | 1440   | 1155   | 2637   | 63,5          | 4 x M6 D 280              |
|                                                          | 600 LITERS  | 1680   | 1160   | 2686   | 63,5          | 4 x M6 D 280              |
| DP 250                                                   | 300 LITERS  | 1440   | 1155   | 2398   | 63,5          | 4 x M6 D 280              |
|                                                          | 400 LITERS  | 1440   | 1155   | 2637   | 63,5          | 4 x M6 D 280              |
|                                                          | 600 LITERS  | 1680   | 1160   | 2686   | 63,5          | 4 x M6 D 280              |
|                                                          | 800 LITERS  | 1680   | 1181   | 3046   | 63,5          | 4 x M6 D 280              |
| DP 400                                                   | 600 LITERS  | 1830   | 1250   | 2703   | 114,3         | 4 x M6 D 280              |
|                                                          | 800 LITERS  | 1830   | 1250   | 3065   | 114,3         | 4 x M6 D 280              |
|                                                          | 1200 LITERS | 1830   | 1250   | 3659   | 114,3         | 4 x M6 D 280              |

| DRYER DIMENSIONAL TABLE |        |        |        |               |
|-------------------------|--------|--------|--------|---------------|
| MODEL                   | L [mm] | P [mm] | H [mm] | Air Hose [mm] |
| DP 630                  | 650    | 1216   | 1575   | 114,3         |
| DP 900                  | 1095   | 2005   | 1609   | 159           |
| DP 1200                 | 1095   | 2005   | 1609   | 159           |
| DP 1700                 | 1165   | 2065   | 2245   | 220           |



| VISMEC DP THROUGHPUT TABLE |                          |                    |                   |         |          |         |          |          |                   |           |           |           |           |           |                   |           |           |           |            |                      |
|----------------------------|--------------------------|--------------------|-------------------|---------|----------|---------|----------|----------|-------------------|-----------|-----------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|------------|----------------------|
| MATERIAL                   | Bulk Density<br>[kg/dm³] | Drying Time<br>[h] | DP 50             |         |          | DP 80   |          |          | DP 160            |           |           |           | DP 250    |           |                   |           | DP 400    |           |            | DP 630<br>and bigger |
|                            |                          |                    | 75 L              | 100 L   | 150 L    | 100 L   | 150 L    | 200 L    | 200 L             | 300 L     | 400 L     | 600 L     | 300 L     | 400 L     | 600 L             | 800 L     | 600 L     | 800 L     | 1200 L     |                      |
|                            |                          |                    | throughput [kg/h] |         |          |         |          |          | throughput [kg/h] |           |           |           |           |           | throughput [kg/h] |           |           |           |            |                      |
| ABS                        | 0,55                     | 2 – 5              | 10 – 20           | 10 – 30 | 15 – 40  | 10 – 30 | 15 – 40  | 20 – 55  | 20 – 55           | 35 – 85   | 45 – 110  | 65 – 165  | 35 – 85   | 45 – 110  | 65 – 165          | 90 – 220  | 65 – 165  | 90 – 220  | 130 – 330  | on request           |
| ASA                        | 0,60                     | 2 – 4              | 10 – 20           | 15 – 30 | 20 – 45  | 15 – 30 | 20 – 45  | 30 – 60  | 30 – 60           | 45 – 90   | 60 – 120  | 90 – 180  | 45 – 90   | 60 – 120  | 90 – 180          | 120 – 240 | 90 – 180  | 120 – 240 | 180 – 360  | on request           |
| CA                         | 0,80                     | 2 – 4              | 15 – 30           | 20 – 40 | 30 – 60  | 20 – 40 | 30 – 60  | 40 – 80  | 40 – 80           | 60 – 120  | 80 – 160  | 120 – 240 | 60 – 120  | 80 – 160  | 120 – 240         | 160 – 320 | 120 – 240 | 160 – 320 | 240 – 480  | on request           |
| LCP                        | 0,90                     | 4 – 6              | 10 – 15           | 15 – 25 | 20 – 35  | 15 – 25 | 20 – 35  | 30 – 45  | 30 – 45           | 45 – 70   | 60 – 90   | 90 – 135  | 45 – 70   | 60 – 90   | 90 – 135          | 120 – 180 | 90 – 135  | 120 – 180 | 180 – 270  | on request           |
| PA 6                       | 0,60                     | 3 – 5              | 10 – 15           | 10 – 20 | 20 – 30  | 10 – 20 | 20 – 30  | 25 – 40  | 25 – 40           | 35 – 60   | 50 – 80   | 70 – 120  | 35 – 60   | 50 – 80   | 70 – 120          | 95 – 160  | 70 – 120  | 95 – 160  | 145 – 240  | on request           |
| PA 6.6                     | 0,60                     | 3 – 5              | 10 – 15           | 10 – 20 | 20 – 30  | 10 – 20 | 20 – 30  | 25 – 40  | 25 – 40           | 35 – 60   | 50 – 80   | 70 – 120  | 35 – 60   | 50 – 80   | 70 – 120          | 95 – 160  | 70 – 120  | 95 – 160  | 145 – 240  | on request           |
| PBT                        | 0,80                     | 2 – 4              | 15 – 30           | 20 – 40 | 30 – 60  | 20 – 40 | 30 – 60  | 40 – 80  | 40 – 80           | 60 – 120  | 80 – 160  | 120 – 240 | 60 – 120  | 80 – 160  | 120 – 240         | 160 – 320 | 120 – 240 | 160 – 320 | 240 – 480  | on request           |
| PC                         | 0,70                     | 4                  | 15                | 20      | 25       | 20      | 25       | 35       | 35                | 55        | 70        | 105       | 55        | 70        | 105               | 140       | 105       | 140       | 210        | on request           |
| PC / ABS                   | 0,70                     | 2 – 4              | 15 – 25           | 20 – 35 | 25 – 50  | 20 – 35 | 25 – 50  | 35 – 70  | 35 – 70           | 55 – 105  | 70 – 140  | 105 – 210 | 55 – 105  | 70 – 140  | 105 – 210         | 140 – 280 | 105 – 210 | 140 – 280 | 210 – 420  | on request           |
| PC / PBT                   | 0,75                     | 2 – 4              | 15 – 30           | 20 – 40 | 30 – 55  | 20 – 40 | 30 – 55  | 40 – 75  | 40 – 75           | 55 – 115  | 75 – 150  | 115 – 225 | 55 – 115  | 75 – 150  | 115 – 225         | 150 – 300 | 115 – 225 | 150 – 300 | 225 – 450  | on request           |
| PE                         | 0,50                     | 1 – 2              | 20 – 40           | 25 – 50 | 40 – 75  | 25 – 50 | 40 – 75  | 50 – 100 | 50 – 100          | 75 – 150  | 100 – 200 | 150 – 300 | 75 – 150  | 100 – 200 | 150 – 300         | 200 – 400 | 150 – 300 | 200 – 400 | 300 – 600  | on request           |
| PEEK                       | 0,80                     | 2 – 3              | 20 – 30           | 25 – 40 | 40 – 60  | 25 – 40 | 40 – 60  | 55 – 80  | 55 – 80           | 80 – 120  | 105 – 160 | 160 – 240 | 80 – 120  | 105 – 160 | 160 – 240         | 215 – 320 | 160 – 240 | 215 – 320 | 320 – 480  | on request           |
| PEI                        | 0,75                     | 2 – 3              | 20 – 30           | 25 – 40 | 40 – 55  | 25 – 40 | 40 – 55  | 50 – 75  | 50 – 75           | 75 – 115  | 100 – 150 | 150 – 225 | 75 – 115  | 100 – 150 | 150 – 225         | 200 – 300 | 150 – 225 | 200 – 300 | 300 – 450  | on request           |
| PES                        | 0,80                     | 3 – 5              | 10 – 20           | 15 – 25 | 25 – 40  | 15 – 25 | 25 – 40  | 30 – 55  | 30 – 55           | 50 – 80   | 65 – 105  | 95 – 160  | 50 – 80   | 65 – 105  | 95 – 160          | 130 – 215 | 95 – 160  | 130 – 215 | 190 – 320  | on request           |
| PET                        | 0,80                     | 3 – 5              | 10 – 20           | 15 – 25 | 25 – 40  | 15 – 25 | 25 – 40  | 30 – 55  | 30 – 55           | 50 – 80   | 65 – 105  | 95 – 160  | 50 – 80   | 65 – 105  | 95 – 160          | 130 – 215 | 95 – 160  | 130 – 215 | 190 – 320  | on request           |
| PET – G                    | 0,80                     | 4 – 6              | 10 – 15           | 15 – 20 | 20 – 30  | 15 – 20 | 20 – 30  | 25 – 40  | 25 – 40           | 40 – 60   | 55 – 80   | 80 – 120  | 40 – 60   | 55 – 80   | 80 – 120          | 105 – 160 | 80 – 120  | 105 – 160 | 160 – 240  | on request           |
| PET–Preform                | 0,90                     | 4 – 6              | 10 – 15           | 15 – 20 | 20 – 35  | 15 – 20 | 20 – 35  | 30 – 45  | 30 – 45           | 45 – 70   | 60 – 90   | 90 – 135  | 45 – 70   | 60 – 90   | 90 – 135          | 120 – 180 | 90 – 135  | 120 – 180 | 180 – 270  | on request           |
| PI                         | 0,85                     | 3                  | 20                | 30      | 40       | 30      | 40       | 55       | 55                | 85        | 115       | 170       | 85        | 115       | 170               | 225       | 170       | 225       | 340        | on request           |
| PLA                        | 0,75                     | 2 – 4              | 15 – 30           | 20 – 40 | 30 – 55  | 20 – 40 | 30 – 55  | 40 – 75  | 40 – 75           | 55 – 115  | 75 – 150  | 115 – 225 | 55 – 115  | 75 – 150  | 115 – 225         | 150 – 300 | 115 – 225 | 150 – 300 | 225 – 450  | on request           |
| PMMA                       | 0,70                     | 4 – 6              | 10 – 15           | 10 – 20 | 15 – 25  | 10 – 20 | 15 – 25  | 25 – 35  | 25 – 35           | 35 – 55   | 45 – 70   | 70 – 105  | 35 – 55   | 45 – 70   | 70 – 105          | 95 – 140  | 70 – 105  | 95 – 140  | 140 – 210  | on request           |
| POM                        | 0,85                     | 1 – 2              | 30 – 65           | 45 – 85 | 65 – 125 | 45 – 85 | 65 – 125 | 85 – 170 | 85 – 170          | 130 – 255 | 170 – 340 | 255 – 510 | 130 – 255 | 170 – 340 | 255 – 510         | 340 – 680 | 255 – 510 | 340 – 680 | 510 – 1020 | on request           |
| PP                         | 0,50                     | 1 – 2              | 20 – 40           | 25 – 50 | 40 – 75  | 25 – 50 | 40 – 75  | 50 – 100 | 50 – 100          | 75 – 150  | 100 – 200 | 150 – 300 | 75 – 150  | 100 – 200 | 150 – 300         | 200 – 400 | 150 – 300 | 200 – 400 | 300 – 600  | on request           |
| PPA                        | 0,80                     | 4                  | 15                | 20      | 30       | 20      | 30       | 40       | 40                | 60        | 80        | 120       | 60        | 80        | 120               | 160       | 120       | 160       | 240        | on request           |
| PPS                        | 0,80                     | 3 – 4              | 15 – 20           | 20 – 25 | 30 – 40  | 20 – 25 | 30 – 40  | 40 – 55  | 40 – 55           | 60 – 80   | 80 – 105  | 120 – 160 | 60 – 80   | 80 – 105  | 120 – 160         | 160 – 215 | 120 – 160 | 160 – 215 | 240 – 320  | on request           |
| PSU                        | 0,75                     | 3 – 5              | 10 – 20           | 15 – 25 | 20 – 40  | 15 – 25 | 20 – 40  | 30 – 50  | 30 – 50           | 45 – 75   | 60 – 100  | 90 – 150  | 45 – 75   | 60 – 100  | 90 – 150          | 120 – 200 | 90 – 150  | 120 – 200 | 180 – 300  | on request           |
| PUR                        | 0,75                     | 2 – 3              | 20 – 30           | 25 – 40 | 40 – 55  | 25 – 40 | 40 – 55  | 50 – 75  | 50 – 75           | 75 – 115  | 100 – 150 | 150 – 225 | 75 – 115  | 100 – 150 | 150 – 225         | 200 – 300 | 150 – 225 | 200 – 300 | 300 – 450  | on request           |
| SAN                        | 0,65                     | 2 – 4              | 10 – 25           | 15 – 35 | 25 – 50  | 15 – 35 | 25 – 50  | 35 – 65  | 35 – 65           | 50 – 100  | 65 – 130  | 100 – 195 | 50 – 100  | 65 – 130  | 100 – 195         | 130 – 260 | 100 – 195 | 130 – 260 | 195 – 390  | on request           |
| SB                         | 0,65                     | 2 – 4              | 10 – 25           | 15 – 35 | 25 – 50  | 15 – 35 | 25 – 50  | 35 – 65  | 35 – 65           | 50 – 100  | 65 – 130  | 100 – 195 | 50 – 100  | 65 – 130  | 100 – 195         | 130 – 260 | 100 – 195 | 130 – 260 | 195 – 390  | on request           |

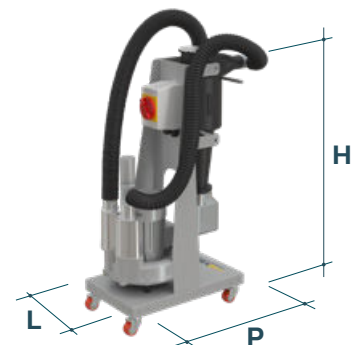
indications given for free flowing materials at min. and max. drying time

# OIL TRAP

## Main features

- Suitable for airflow up to 200 m³/h.
- Condensing at least 98% of the oils.
- Zero pressure drop.
- Maximum working temperature 200 °C.
- Stainless steel water connection.
- Glass oil collector.
- Suitable for medical and pharmaceutical applications.
- Second stage filtration system for 99,99% oil remove. (OPTIONAL)

| MODEL      | Temp.<br>[°C] | Air Flow<br>[m³/h] | Air hose<br>[mm] | Water<br>connection | Installed<br>Power [kW] |
|------------|---------------|--------------------|------------------|---------------------|-------------------------|
| Oiltrap 50 | 200           | 200                | 50               | 3/8" flow 30 lt/hr  | 0,7                     |



| MODEL      | L<br>[mm] | P<br>[mm] | H<br>[mm] |
|------------|-----------|-----------|-----------|
| Oiltrap 50 | 350       | 635       | 1.100     |



# DRYFEED

In case of central conveying of dried materials the Vismec Dryfeed provides dry air to the conveying process to avoid that the material can pick up humidity from the ambient during the transfer.  
A dedicated drying system for conveying also avoids the use of dry air from a material drying process.  
The Vismec Dryfeed system can be also installed on a third party conveying system.

| MODEL | Air Flow<br>[m³/h] | Material<br>pipe Ø<br>[mm] | Installed<br>Power [kW] |
|-------|--------------------|----------------------------|-------------------------|
| D 40  | 6 - 25             | 40                         | 2,07                    |
| D 50  | 6 - 25             | 50                         | 2,07                    |
| D 60  | 6 - 25             | 60                         | 2,07                    |
| D 70  | 6 - 25             | 70                         | 2,07                    |

| MODEL     | L<br>[mm] | P<br>[mm] | H<br>[mm] |
|-----------|-----------|-----------|-----------|
| All model | 304       | 495       | 422       |



# FEEDING KIT



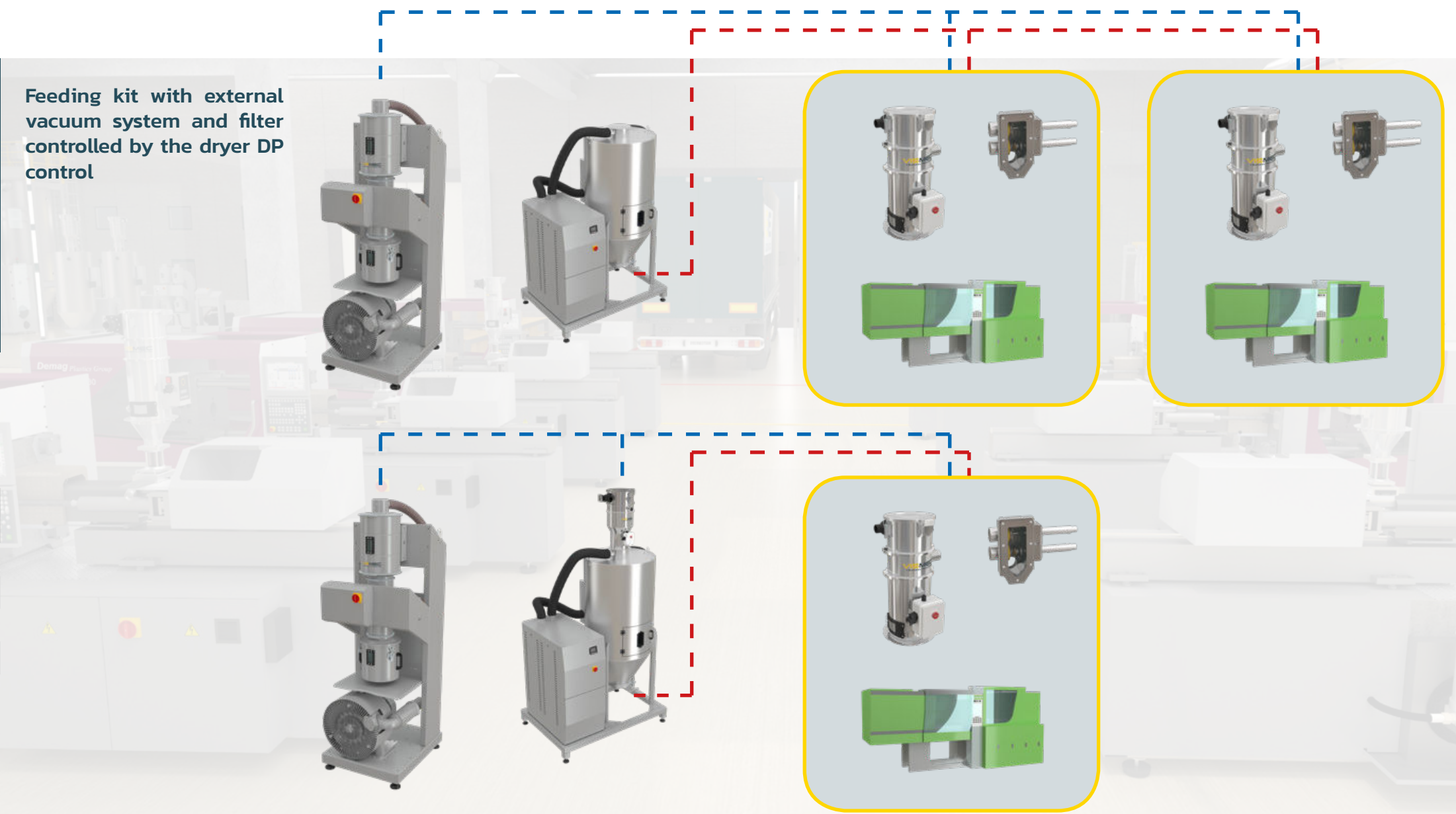
Integrated blower



The Vismec feeding KIT uses a brushless single phase blower to connect up to two stations: – dryer and process machine or two machines. The control is integrated directly in the dryer, including also the possibility to setup a ratio valve. For larger drying systems and throughputs a standard side channel blower with cyclone filter can be integrated in stead of the brushless single phase blower.

| MODEL  | Loader capacity | Hose diameter [mm] | Blower Code | Blower Power [W] |
|--------|-----------------|--------------------|-------------|------------------|
| DP 50  | 6 – 10 L        | ø 40 / ø 50        | 00104       | 1.100            |
| DP 80  | 6 – 10 L        | ø 40 / ø 50        | 00104       | 1.100            |
| DP 160 | 6 – 10 L        | ø 40 / ø 50        | 00104       | 1.100            |
| DP 250 | 6 – 10 L        | ø 40 / ø 50        | 00104       | 1.100            |

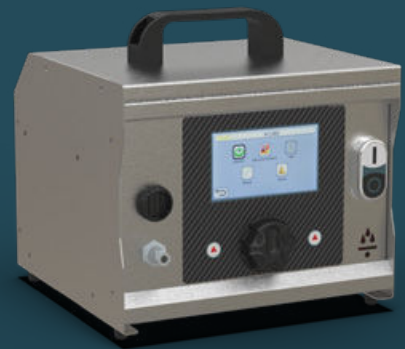
Feeding kit with external vacuum system and filter controlled by the dryer DP control





# PORTABLE DEW POINT METER

- Main features:
- standard dryer
  - optional internal dew point sensor
- external
- external dew point meter
  - integrated vacuum pump
  - direct power supply or battery



# HALO

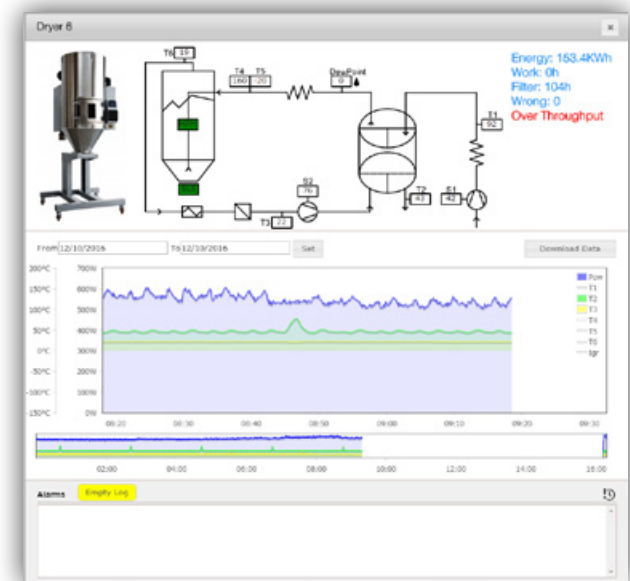
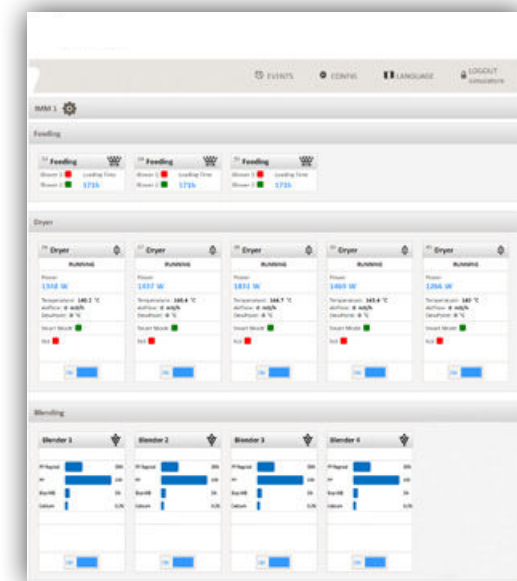
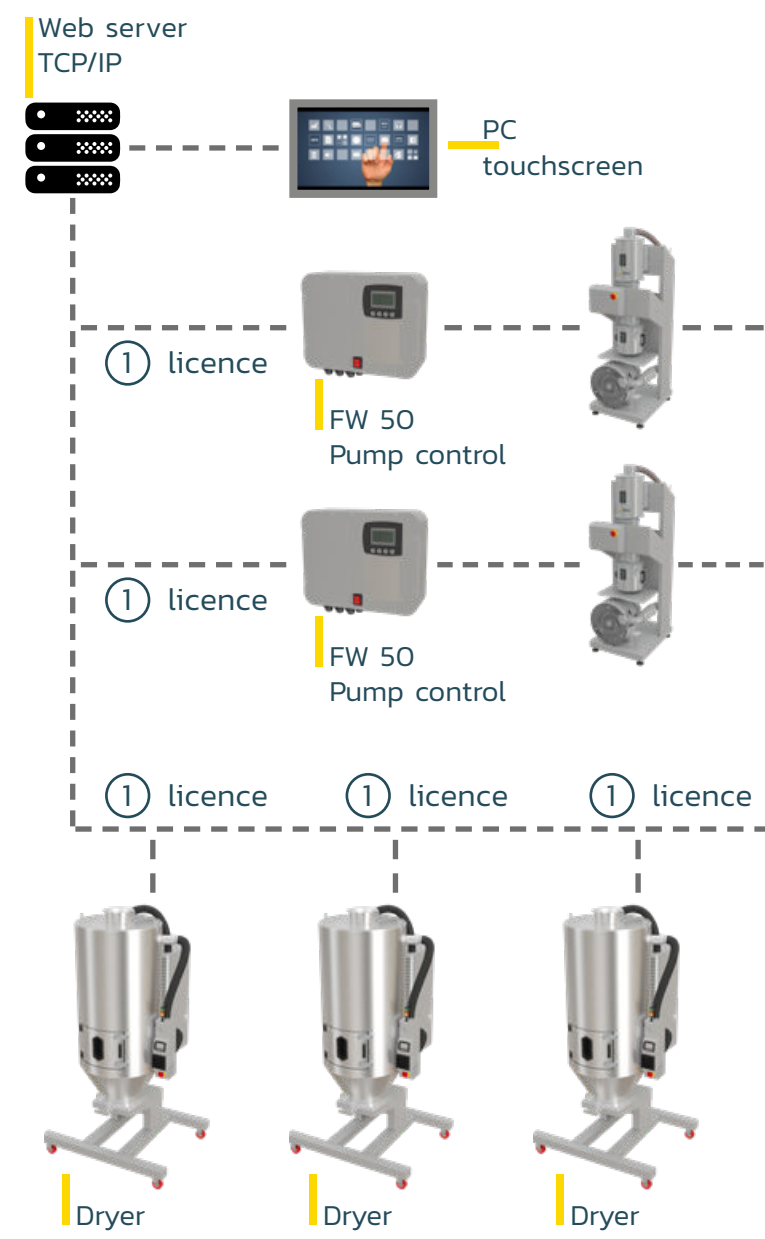
The Vismec HALO is a weighing ring installed on the top of the drying hopper to measure in real-time the troughput in kg/h. This information is directly given to the dryer control and the drying parametry are adapted automatically to the real troughput. Additionally the accumulated weight can be monitored on the dryer display and if needed reset for a new production lot. The HALO is also available for integration in VISMEC or third party individual and central conveying systems.



| Capacity | Power            | Communication<br>Modbus Rtu Interface | Suitable<br>Receivers  | Material<br>Max Temp. |
|----------|------------------|---------------------------------------|------------------------|-----------------------|
| 100 Kg   | 24 Vdc<br>100 mA | RJ45 R s485                           | From 2 to<br>25 liters | 80° C                 |

# SUPERVISION

The Vismec supervision system allows a complete overview at one glance of the complete production: individual and central conveying, drying and dosing. The data and machines can be accessed from any point in the network through a PC, tablet or smartphone, even in wireless. A remote access is possible for monitoring the system and for trouble shooting from an external position, also from eventual third party companies. The supervision system also can be linked to other external systems for a data exchange in a 4.0 enviroment.

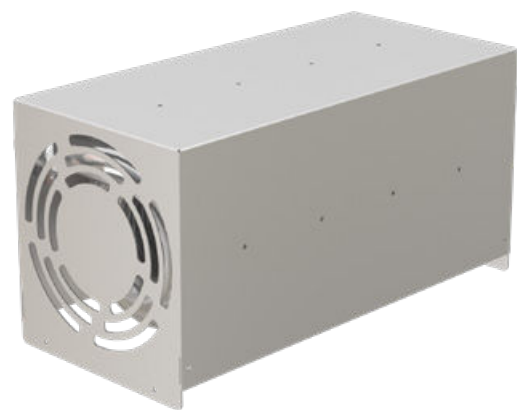
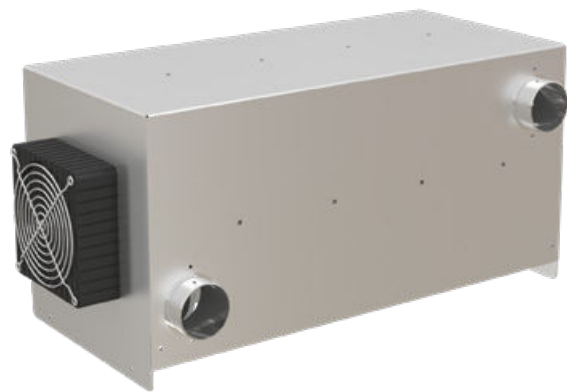




## BIO MATERIAL

This dryer product line has been specifically developed for a new fast growing market segment of BIO materials.

These plastic materials are based on mais, rice, wheat or other natural products with usually very low drying temperatures. As all our drying systems there is no compressed air or cooling water needed. We simply add another air cooler on top of the standard dryer. The low drying temperature to be reached is 7°C above ambient temperature with a minimum set value of 30°C.



## MEDICAL



This special product line is based on the standard DW dryerversion dedicated to medical and pharmaceutical products. Our DW medical drying line can be installed directly in a clear room ambient.

**Main features:**

- fully insulated stainless steel hopper inside and outside
- stainless steel filter housing
- stainless steel piping
- dew point probe



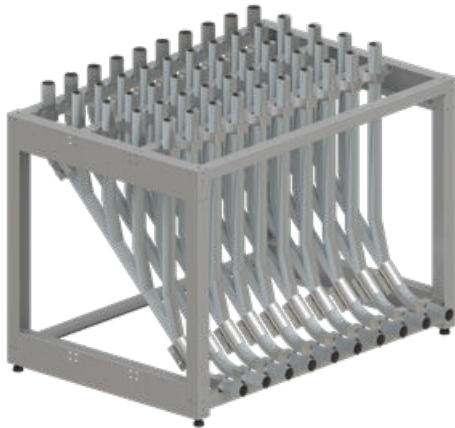


Vismec Dryplus DP Series



GLASS  
RECEIVER

AUTOMATIC  
DISTRIBUTION  
STATION



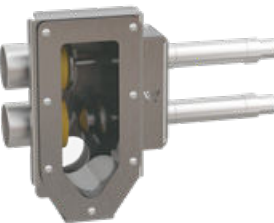
MANUAL  
DISTRIBUTION  
STATION

STAINLESS STEEL  
RECEIVER



BIG BAG  
EMPTYING  
STATION

STAINLESS STEEL  
MATERIAL HOPPER



RATIO  
VALVE

VACUUM  
STATION



DOUBLE  
CYCLONE  
FILTER





contact us for other products:



conveying



dosing



grinding



storage

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