

DryCube

DryCube is the ideal solution for drying and conveying technical plastic. DryCube combines the efficiency of a rotor dryer with an integrated pneumatic conveying system, a receiver for the drying hopper, a receiver for the IMM and all related accessories.

The drying and conveying processes are independent. The conveying of hot materials is carried out in a closed loop. The dry warm air is used for transporting the material to the processing machine. In this way, the polymer remains stable and unaffected by outside air temperature and humidity. DryCube allows the automatic parameter setting of the drying process and continuously monitors the operation mode to achieve the most suitable drying conditions protecting the material from over drying.

DryCube is particularly suitable as an independent flexible dryer to be positioned on side of the processing machine.

Key Features

- ▶ 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
- ▶ No need of compressed air. No need of cooling water
- ▶ Automatic or manual adjustable process air flow
- ▶ 7" vertical touchscreen display with viewing angle, large capacitive screen with immediate response, clear and bright; intuitive user-oriented interface
- ▶ 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
- ▶ Pneumatic conveying with double stage brushless blower and cyclone/fabric filter
- ▶ Air heat exchanger for the conveying of hot materials in closed circuit and automatic circuit valves
- ▶ ASPUL suction valve which also integrates the line cleaning valve
- ▶ Compact frame with side access for the hopper unloading
- ▶ Receivers 2 - 4 liters for DC25 d40 e d38 (D1,5")
- ▶ Receivers 6 liters for DC50-80 d40 e d38 (D1,5")

Options

- ▶ Integrated or external portable dew point sensor
- ▶ 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
- ▶ Remote display code 05183



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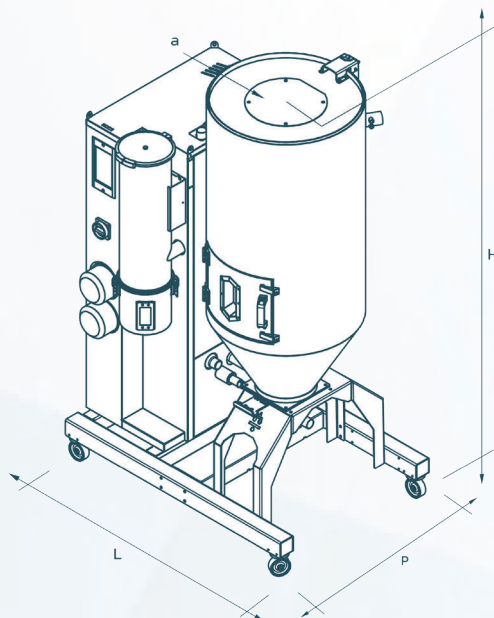
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September 2023

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Dimensions & Technical Data



Model	Code	Diameter	Hopper (l)	Voltage	Heating Power	Regen Power	Conveying Power	Total Power
DC 25	05697	40	30-50	400V 50-60Hz/3Ph	1,0 kW	1,0 kW	1,1 kW	3,2 kW
DC 25	05696	38	30-50	460V 50-60Hz/3Ph	1,0 kW	1,0 kW	1,1 kW	3,2 kW
DC 50	05698	40	75-100-150	400V 50-60Hz/3Ph	2,5 kW	1,5 kW	1,1 kW	5,2 kW
DC 50	05584	38	75-100-150	460V 50-60Hz/3Ph	2,5 kW	1,5 kW	1,1 kW	5,2 kW
DC 80	05699	40	100-150-200	400V 50-60Hz/3Ph	3,5 kW	1,5 kW	1,1 kW	6,2 kW
DC 80	05585	38	100-150-200	460V 50-60Hz/3Ph	3,5 kW	1,5 kW	1,1 kW	6,2 kW

Model	Hopper lt (ft3)	H mm (")	P mm (")	L mm (")	Door	Filter	a mm (")	Weight kg (lb)
DC 25	30 (1,05)	1298 (52)	790 (32)	1140 (45)	No	fabric	4xM6 Ø280 (11)	
DC 25	50 (1,7)	1573 (62)	790 (32)	1140 (45)	Yes	fabric	4xM6 Ø280 (11)	
DC 50	75 (2,6)	1603 (63)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	
DC 50	100 (3,5)	1823 (72)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	
DC 50	150 (5,3)	1928 (76)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	229 (805)
DC 80	100 (3,5)	1823 (72)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	
DC 80	150 (5,3)	1928 (76)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	
DC 80	200 (7,1)	2242 (88)	790 (32)	1140 (45)	Yes	cyclone - fabric	4xM6 Ø280 (11)	

GET IN TOUCH TODAY

We solve the most technically advanced plastics automation problems across all industries.



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