

Yann Bang - DHME-S-10 Dehumidifier Dryer



The Yann Bang DHME-S-10 Series of dehumidifying dryer is a twin canister desiccant type. It is capable of achieving a dewpoint of -40C and is suitable for drying all hygroscopic plastic resins i.e.. Nylon, PET, Polycarbonate etc...

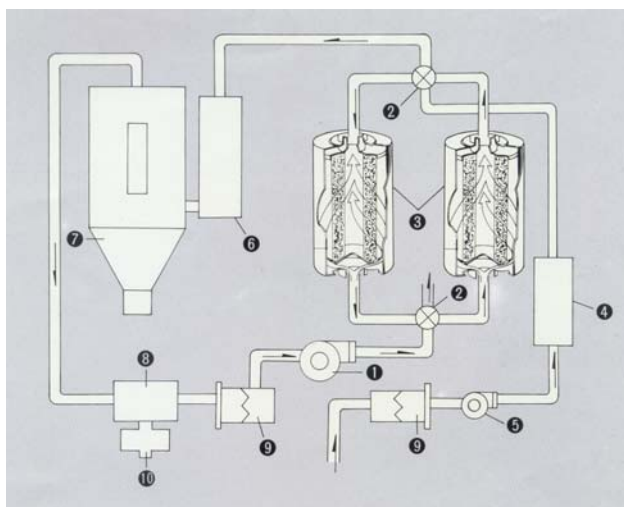
For perfect moulding and processing of plastics resins the resin must be dry. All hygroscopic resins absorb moisture internally and unless this moisture is eliminated it will show in the finished products as voids, swirls, opaqueness, lack of clarity, lack of impact strength etc...

The Yann Bang dehumidifier model DHME-S-10 is designed to remove this moisture in the quickest time possible by drying the process air to a level of up to -40C. This is done by passing the process air through desiccant beds which remove all moisture from the air and then heating the air to the required temperature via a hopper dryer before passing the extremely dry heated air through the resin. The moisture from the resin is collected by the extremely dry returning air and deposited into the desiccant bed.

As there are two canister they alternate on a time cycle so that the air is always dry. This will assure you of perfectly dry resin that will enable you to achieve the maximum benefits of your resin's features.

DHME-S-10 Specifications	
Dry air flow rate (m ³ /hr)	130
Blower drive power (W)	375
Heating capacity (W)	6000
W (mm) x D (mm) x H (mm)	670x620x1310
Weight (net) (kg)	210

RESINS	DRYING TIME (hr)	DRYING TEMP (°C)	MOISTURE CONTENT (%)	DHME-S-10 Kg/Hr
				50HZ
ABS	2-3	80	0.40	60
CA	2-3	75	1.00	45
CP	3	75	2.00	37
IONOMER (Surllyn)	3-4	50	1.00	34
LCP	4	100	0.40	48
PA11/12 (Nylon)	4-6	100	1.00	33
PA6,6,6,10	4-5	80	0.10	45
PC	3	120	0.30	65
PET	4-6	160	0.40	51
PETG	3-4	66	0.10	66
PBT	3-4	140	0.25	54
PI	2	120	0.10	75
PMMA (Acrylic)	3	80	0.40	60
PSU	2.5	120	0.20	64
POM (Acetal)	2	100	0.40	57
PPO	1-2	120	0.10	60
PSU	1	80	0.40	84
PU	2-4	90	0.40	54
SAN	1-2	80	0.10	82
Santoprene	3-4	80	0.20	66



- ① Drying Blower
- ② Four Way Valve
- ③ Desiccant Cartridge
- ④ Regenerating Heater
- ⑤ Regenerating Blower
- ⑥ Drying Heater
- ⑦ Resin Material Hopper (Hopper Dryer)
- ⑧ After Cooler
- ⑨ Filter
- ⑩ Volatiles Trap