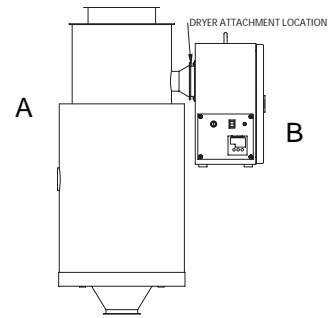


Typical application of a compact dehumidifying drying system.

- A Drying hopper
- B Compressed Air Dryer

Component B is described below.



Brief Description

Application

For the drying of thermoplastic pellets and regrind before processing in order to remove moisture from the pellets both inside and out, independent of climate or ambient air conditions.

- Colortronic drying systems are designed for continuous, 24 hour operation.
- Small compact design.
- Maintenance-free operation.

Compact construction

Colortronic CCD10 compact compressed air dryers offer full performance in a compact size. With heating capabilities up to 400°F, the CCD10 can reduce the incoming compressed air source dewpoint by as much as 50°F, as low as -10°F (-40°F with the optional membrane dryer).



Standard machine-mount configuration. Hopper sold separately.



Optional floor-mount configuration includes 12' dryer hose and two clamps.

Technical Information

Standard Features

- Drying capabilities down to -10°F dewpoint*
- Heating capabilities up to 400°F
- Large particle compressed air filter with regulator
- Rubber feet
- Exhaust air cartridge filter
- 1/16 DIN PID temperature controller
- High process temperature alarm light
- Automatic shutoff system to monitor compressed air supply
- Machine mount adapter to accommodate a dryer and corresponding hopper (hopper sold separately)

Performance

- 10 cfm (17 m³/h) process air
- Operates with 115/1/60
- Average dew point temperature of -10 °F (-23°C).[§]
- Full load amps: 12.5 @ 115V
6.25 @ 230V
- 1.5", 2", 2.5", or 3" OD process air outlet
- Approximate weight: 25 lbs. (11.3 kg)
- Requires approximately 2 scfm compressed air at 80 psig for proper operation.

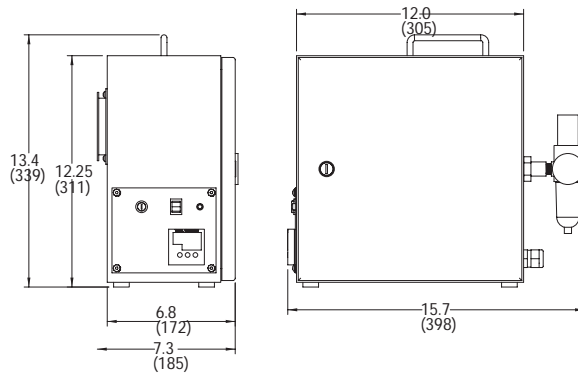
Optional Equipment

- Remote-mount membrane dryer with high-efficiency 0.1-micron filter assembly for the assurance of clean air
- Floor-mount configuration with 12' dryer hose and two hose clamps
- 230/1/60 or 220/1/50 supply voltage

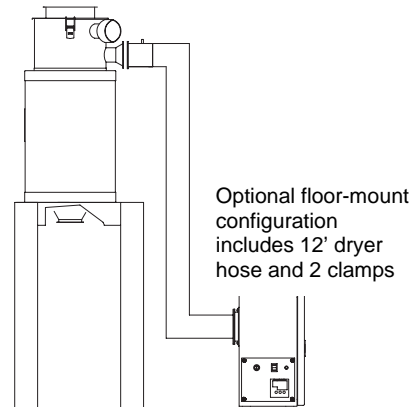
Dryer Operating Parameters[Ⓞ]

Material	Drying Temp, °F, (°C)	Drying time in hours	Drying Hopper Capacity, [§] lbs./hr (kg/hr)				
			Initial moisture content, H ₂ O in %	Final moisture content H ₂ O in %	0.4 cu. ft. (11 liter) drying hopper	0.8 cu. ft. (22 liter) drying hopper	0.9 cu. ft. (25 liter) drying hopper
ABS	176 (80)	2-3	0.45	0.15	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)
ASA	212 (100)	3			4.6 (2.1)	9.2 (4.2)	10.4 (4.7)
CA	176 (80)	2-3	0.7	0.15	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)
CP	167 (75)	2-3	1.0	0.15	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)
EVA	176 (80)	2-3			5.6 (2.5)	11.2 (5.1)	9.0 (4.1)
Ionomere	194 (90)	3.5			4.0 (1.8)	8.0 (3.6)	5.2 (2.3)
PA11	167 (75)	4-6	0.7	0.07	2.8 (1.3)	5.6 (2.5)	6.3 (2.9)
PA12	167 (75)	4-6	0.7	0.07	2.8 (1.3)	5.6 (2.5)	6.3 (2.9)
PA6	176 (80)	4-6	0.5	0.05	2.8 (1.3)	5.6 (2.5)	6.3 (2.9)
PA6.6	176 (80)	4-6	0.5	0.05	2.8 (1.3)	5.6 (2.5)	6.3 (2.9)
PA6.6 GF35	176 (80)	4-6	0.5	0.04	2.8 (1.3)	5.6 (2.5)	6.3 (2.9)
PBT	266 (130)	3-4	0.25	0.02	4.0 (1.8)	8.0 (3.6)	9.0 (4.1)
PC	248 (120)	2-4	0.16	0.01	4.6 (2.1)	9.2 (4.2)	10.4 (4.7)
PE Filled	185 (85)	3-4	0.5	0.02	4.6 (2.1)	9.2 (4.2)	10.4 (4.7)
PE	194 (90)	1-2	0.05	0.01	7 (3.2)	14 (6.4)	15.8 (7.1)
PEEK	302 (150)	4			3.5 (1.6)	7 (3.2)	7.9 (3.6)
PEI	302 (150)	4	0.25	0.01	3.5 (1.6)	7 (3.2)	7.9 (3.6)
PES	302 (150)	4	0.43	0.02	3.5 (1.6)	7 (3.2)	7.9 (3.6)
PETP	300-392 (150-200)	4-6	0.25	0.002	2.3 (1.0)	4.6 (2.1)	5.2 (2.3)
PETG	149 (65)	4-5	0.1	0.04	3.5 (1.6)	7 (3.2)	7.9 (3.6)
PMMA	176 (80)	2-3	0.25	0.02	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)
POM	212 (100)	3-4	0.2	0.05	4.6 (2.1)	9.2 (4.2)	10.4 (4.7)
PP	194 (90)	2	0.1	0.05	7 (3.2)	14 (6.4)	15.8 (7.1)
PPO	212 (100)	2-3	0.2	0.02	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)
PPS	284 (140)	3-4	0.1	0.05	4.6 (2.1)	9.2 (4.2)	10.4 (4.7)
PS	176 (80)	1-2	0.05	0.02	7 (3.2)	14 (6.4)	15.8 (7.1)
PSU	302 (150)	3-4	0.3	0.05	4.6 (2.1)	9.2 (4.2)	16.4 (7.4)
PUR	176 (80)	3-4	0.4	0.01	4.6 (2.1)	9.2 (4.2)	16.4 (7.4)
PVC	158 (70)	1-2	0.3	0.10	9.3 (4.2)	18.6 (8.4)	41.9 (19)
SAN	176 (80)	2-3	0.3	0.03	5.6 (2.5)	11.2 (5.1)	25.2 (11.4)
SB	176 (80)	2	0.3	0.03	7 (3.2)	14 (6.4)	31.5 (14.3)
TPE	230 (110)	3-4			4.6 (2.1)	9.2 (4.2)	16.4 (7.4)
TPU	194 (90)	2-3	0.4	0.02	5.6 (2.5)	11.2 (5.1)	12.6 (5.7)

[Ⓞ] Performance may vary based on initial quality of the compressed air supply to the dryer. Clean, refrigerated or pre-conditioned air is recommended.



Standard machine-mount configuration



Optional floor-mount configuration includes 12' dryer hose and 2 clamps