

# SCD10 SERIES



Low Capacity  
Compressed Air Dryer

## SMALL, COMPACT DESIGN PROVIDES BIG PERFORMANCE

The SCD10 is best 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.

Sterling SCD10 compact compressed air dryers offer full performance in a compact size. With heating capabilities up to 400°F, the SCD10 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).



### Features

- Drying capabilities down to -10°F dewpoint<sup>1</sup>
- 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)
- 10 cfm (17 m<sup>3</sup>/h) process air
- Operates with 115/1/60
- Average dew point temperature of -10 °F (-23°C)<sup>1</sup>
- 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.

<sup>1</sup> Performance may vary based on initial quality of the compressed air supply to the dryer. Clean, refrigerated or pre-conditioned air is recommended.

### Options

- 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

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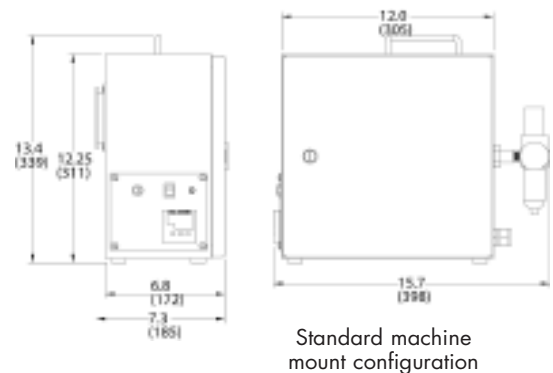
## SPECIFICATIONS

Model	Width, in. (mm)	Height, in. (mm)	Depth, in. (mm)	Weight, lbs. (Kg)
SCD10	7.3 (185)	13.4 (339)	15.7 (396)	25 (11.3)

## DRYER OPERATING PARAMETERS

Material	Drying Temp., °F (°C)	Drying Time in Hours	Average Drying Hopper Capacity, <sup>1</sup> lbs./hr (kg/hr)				
			Initial Moisture Content H <sub>2</sub> O in %	Final Moisture Content H <sub>2</sub> O in %	SCD10 with 0.4 cu. ft. (11 liter) drying hopper	SCD10 with 0.8 cu. ft. (22 liter) drying hopper	SCD10 with 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	0.50	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)	3-9	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				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)

<sup>1</sup> Performance may vary based on initial quality of the compressed air supply to the dryer.



## PERFORMANCE

- Operates with 115/1/60
- Average dew point temperature of -10°F (-23°C)<sup>1</sup>
- Full load amps: 12.5 @ 115V  
6.25 @ 230V
- Approximate weight: 25 lbs. (11.3 kg)
- 10 CFM (17 m<sup>3</sup>/hr) process air
- Requires approximately 2 SCFM compressed air at 80 psig for proper operation



Optional floor mount model

