

Plant Growth Chambers

Precise airflow and temperature monitoring for optimized plant growth

These programmable growth chambers provide precise temperature control to maximize plant growth. The 10-step program lets you set temperature, humidity, and illumination profile which can be repeated up to 999 times. Dual sensors monitor water level and a quick-response electronic sensor maintains required humidity levels. Efficient airflow design provides even and accurate heat dispersion. Set temperature from 5 to 50°C. Overtemperature safety features protect plants from being exposed to excess heat by shutting off power. Open door alarm minimizes loss of heat and humidity. Inner glass doors let you view plants without impairing interior conditions.

Interior is constructed of 304 stainless steel (304 SS) for easy clean-up and resistance to dirt. Exterior is made of powder-coated stainless steel. Interior doors are made of tempered glass for added protection and safety. Each unit includes casters for easier transport and installation.

What's included: shelves and power cord with plug.



Specifications

Temperature range
Lights off: 5 to 50°C
Lights on: 10 to 50°C
With humidity: 20 to 50°C

Display: Alphanumeric LCD
Resolution: 0.1°C
Controller type: microprocessor PID

Construction: 304 stainless steel interior and powder coated steel exterior



Catalog number	Capacity (cu ft)	Accuracy	Uniformity	Illumination Range (Lux)	Humidity range		Dimensions (W x H x D)		Power			Shpg wt lb (kg)	Price
					20 to 35°C	36 to 50°C	Chamber	Overall	VAC	Hz	Amps		
SN-39353-00	10.6	±0.1°C	±0.8°C	0 to 20,000	—	—	20" x 43 ⁵ / ₁₆ " x 21 ¹ / ₁₆ "	27 ⁵ / ₁₆ " x 74 ¹³ / ₁₆ " x 30 ¹ / ₈ "	230	60	12.5	550 (249.5)	
SN-39353-05							(50.8 x 110 x 54.1 cm)	(70.2 x 189.9 x 76.5 cm)	230	50	12.5		
SN-39353-10	10.6	±0.1°C	±0.8°C	0 to 20,000	40 to 80%	70 to 90%	20" x 43 ⁵ / ₁₆ " x 21 ¹ / ₁₆ "	27 ⁵ / ₁₆ " x 74 ¹³ / ₁₆ " x 30 ¹ / ₈ "	230	60	16	550 (249.5)	
SN-39353-15							(50.8 x 110 x 54.1 cm)	(70.2 x 189.9 x 76.5 cm)	230	50	16		
SN-39353-20	35.3	±0.1°C	±0.8°C	0 to 35,000	40 to 80%	70 to 90%	47 ³ / ₁₆ " x 42 ¹ / ₂ " x 31 ¹ / ₂ "	55 ¹ / ₂ " x 84 ¹ / ₁₆ " x 42 ¹ / ₈ "	230	60	30	1208 (547.9)	
SN-39353-25							(119.9 x 108.0 x 80.0 cm)	(141.0 x 215.3 x 107.0 cm)	230	50	30		

- SN-39353-70 Perforated shelf for 10.6 cu ft models
- SN-39353-72 Perforated shelf for 35.3 cu ft models
- SN-39353-80 Wire shelf for 10.6 cu ft models

- SN-39353-82 Wire shelf for 35.3 cu ft models
- SN-39353-90 Recorder with humidity sensor
- SN-39353-95 CO₂ control system

Incubating Shakers

Advanced temperature controls enable unattended operation in a temperature-controlled environment

- Antimicrobial coating reduces bacteria on control surface
- Easy-to-read LED display of speed, temperature, and time
- Industry-leading 10-year warranty

Shakers feature PID temperature control, using two 1000 Ω Pt sensors, to maintain temperature within ±0.1°C. Independently monitor temperature by connecting an additional 1000 Ω Pt sensor to a junction box within the chamber. Set shaker for timed operation up to 999 hours or for continuous operation. Unit shuts off if lid is opened or if temperature exceeds set point by 5°C. Collecting tray with drain hose on rear of unit simplifies cleanup. Order platforms and clamps separately below.



Specifications

Orbit size: 0.80" (20 mm)
Temperature accuracy: ±0.1°C at 37°C

Display: LED
Maximum load: 44 lb (20 kg)
Platform capacity: 4 x 2-L flask

Overall dimensions (W x H x D):
22⁷/₁₆" x 20¹/₂" x 29¹/₂"
(58.1 x 52 x 74.9 cm)

Catalog number	Type	Speed range (rpm)	Temperature range	Power		Shpg wt lb (kg)	Price
				VAC	Hz		
DY-51715-00	Incubating	10 to 500	5°C above ambient to 80°C	120	50/60	120 (55)	
DY-51715-05				240	50/60		
DY-51715-10	Incubating with built-in recirculating cooler loop†	10 to 500	10°C below ambient to 80°C	120	50/60	120 (55)	
DY-51715-15				240	50/60		

†Circulating chiller not included

- DY-51715-50 Universal platform with clamping rolls, 18¹/₂" x 19⁵/₈" (47.9 x 49.8 cm)
- DY-51715-52 Flask clamp platform, 18¹/₂" x 17³/₈" (47 x 44.1 cm)
- DY-51715-54 Universal platform with rubber mat, 18¹/₂" x 19⁵/₈" (47.9 x 49.8 cm). DY-51715-72 STICKMAX adhesive mat, no platform needed, 7¹/₈" x 7¹/₈" (20 x 20 cm)

Clamps for Platform 51715-52

Catalog number	Flask size	Max no. of clamps per platform	Price
DY-04303-58	25 mL	50	
DY-51505-92	50 mL	48	
DY-04303-60	100 mL	25	
DY-04303-62	250 mL	16	
DY-51505-95	500 mL	12	
DY-04303-88	1000 mL	7	