

Drosophila and Small Insect Chambers with Standard Refrigeration (R-134A)

Drosophila and small insect chambers offer a comfortable, controlled environment for breeding, raising, and experimenting with fruit flies, mosquitos, sand flies and other insects. These chambers have a 2-50°C temperature range, with digital control displaying actual and setpoint temperatures. High and low temperature failsafes protect the chamber from excessive temperatures. Casters, epoxy-coated wire shelves and an RH meter are standard features. These chambers can also reach 60°C for a 3 hour mite cycle.

Because different insect species, or research with them, demand differing levels of temperature/humidity/lighting, three levels of parameter control are offered on most size chambers. When requesting a price quotation, please specify the model and level that interest you.

Level 1 - Chambers have 2-50°C temperature control, glass doors for room light penetration, an interior door light with on/off switch, and an RH meter. A 3-hour mite cycle at 60°C can be performed.

Level 2 - Chambers have 2-50°C temperature control, solid doors and clock-controlled door lights* (one 3500K LED light on each side of the door opening), and an RH meter. A 3-hour mite cycle at 60°C can be performed.

Level 3 - Chambers with additive humidity are not available with standard refrigeration. See thermoelectric models.

Options such as a temperature alarm, light dimmers, dual-point (day/night) temperature control, and extra shelves are popular.

*Lights in the DROS27SD are horizontally mounted, one per shelf.



Model DROS33SD
Level 2 (with optional alarm)

Model	Style	Levels Offered	Capacity (ft ³ /liters)	Dimensions		# Shelves and Size	# Lights	Electrical (domestic)	HP	Shipping Weight (lbs/kg)
				Exterior** (in/cm)	Interior (in/cm)					
DROS27SD		2	6/170	31/79	W 23/59	2 23"x16"	2	115/60/1 15 amps	1/5	210/95
				30/76	D 17/43					
				32.5/83	H 24/61					
DROS26SD		1, 2	10/285	26/66	W 22/56	3 21"x17"	2	115/60/1 15 amps	1/5	275/125
				22/56	D 19/48					
				60/152	H 42/104					
DROS28SSD		1, 2	24/680	28/71	W 24/61	4 24"x24"	2	115/60/1 15 amps	1/3	425/195
				31/79	D 29/74					
				78.5/199	H 57.5/146					
DROS33SD		1, 2	27/765	33/84	W 29/74	4 28"x24"	2	115/60/1 15 amps	1/3	450/205
				29/74	D 27/69					
				78.5/199	H 57.5/146					
DROS52SD		1, 2	43/1220	52/132	W 48/122	8 24"x24"	3	115/60/1 15 amps	1/3	600/270
				31/79	D 26/66					
				78.5/199	H 57.5/146					

**Excluding casters.

Drosophila and Small Insect Chambers with Thermoelectric Cooling (Peltier)

Drosophila and small insect chambers offer a comfortable, controlled environment for breeding, raising, and experimenting with fruit flies, mosquitos, sand flies and other insects. These chambers have a 15-50°C temperature range, with digital control displaying actual and setpoint temperatures. A high temperature failsafe protects the chamber from excessive temperatures. Casters, epoxy-coated wire shelves and an RH meter are standard features. These chambers can also reach 60°C for a 3-hour mite cycle.

Please note that thermoelectric cooling is not as powerful as a standard refrigeration system with vapor cooling (R-134A). Ambient room temperature will affect the cooling capabilities, so to reach 15°C, ambient air should be 22°C or less. However, these chambers are very energy efficient.

Because different insect species, or research with them, demand differing levels of temperature/humidity/lighting, three levels of parameter control are offered on most size chambers. When requesting a price quotation, please specify the model and level that interest you.

Level 1 - Chambers with glass doors are not available with thermoelectric cooling. See standard refrigeration models.

Level 2 - Chambers have 15-50°C temperature control, solid doors and clock-controlled door lights (one 3500K LED light on each side of the door opening), and an RH meter. A 3-hour mite cycle at 60°C can be performed.

Level 3 - Chambers have 15-50°C temperature control, clock-controlled door lights (one 3500K LED light on each side of the door opening), additive ultrasonic humidity control with RO or tap water, digital RH display, and a white powder coat aluminum interior.

Options such as a temperature alarm, light dimmers, dual-point (day/night) temperature control, and extra shelves are popular.



Model DROT33SD/TE
Level 2

Model	Style	Levels Offered	Capacity (ft ³ /liters)	Dimensions		# Shelves and Size	# Lights	Electrical (domestic)	Shipping Weight (lbs/kg)
				Exterior** (in/cm)	Interior (in/cm)				
DROS26SD/TE		2, 3	10/285	26/66	W 22/56	3 21"x17"	2	115/60/1 15 amps	275/125
				22/56	D 19/48				
				60/152	H 42/104				
DROS28SSD/TE		2, 3	24/680	28/71	W 24/61	4 24"x24"	2	115/60/1 15 amps	425/195
				31/79	D 29/74				
				78.5/199	H 57.5/146				
DROS33SD/TE		2, 3	27/765	33/84	W 29/74	4 28"x24"	2	115/60/1 15 amps	450/205
				29/74	D 27/69				
				78.5/199	H 57.5/146				
DROT33SD/TE		2, 3	30/850	33/84	W 29/74	5 28"x24"	2	115/60/1 15 amps	475/215
				29/74	D 24/61				
				78.5/199	H 69/175				

**Excluding casters.



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