

Drosophila and Small Insect Chambers with Standard Refrigeration (R290)

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 30/76 D 32.5/83 H	23/59 17/43 24/61	2 23"x16"	2	115/60/1 15 amps	1/5	210/95
DROS26SD		1, 2	10/285	26/66 W 22/56 D 60/152 H	22/56 19/48 42/104	3 21"x17"	2	115/60/1 15 amps	1/5	275/125
DROS28SSD		1, 2	24/680	28/71 W 31/79 D 78.5/199 H	24/61 29/74 57.5/146	4 24"x24"	2	115/60/1 15 amps	1/3	425/195
DROS33SD		1, 2	27/765	33/84 W 29/74 D 78.5/199 H	29/74 27/69 57.5/146	4 28"x24"	2	115/60/1 15 amps	1/3	450/205
DROS52SD		1, 2	43/1220	52/132 W 31/79 D 78.5/199 H	48/122 26/66 57.5/146	8 24"x24"	3	115/60/1 15 amps	1/3	600/270

**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 (R290). 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 22/56 60/152	W D H	22/56 19/48 42/104	3 21"x17"	2	115/60/1 15 amps	275/125
DROS28SSD/TE		2, 3	24/680	28/71 31/79 78.5/199	W D H	24/61 29/74 57.5/146	4 24"x24"	2	115/60/1 15 amps	425/195
DROS33SD/TE		2, 3	27/765	33/84 29/74 78.5/199	W D H	29/74 27/69 57.5/146	4 28"x24"	2	115/60/1 15 amps	450/205
DROT33SD/TE		2, 3	30/850	33/84 29/74 78.5/199	W D H	29/74 24/61 69/175	5 28"x24"	2	115/60/1 15 amps	475/215

**Excluding casters.