

INCUBATOR SHAKER

TECHNICAL SPECIFICATIONS

MODEL: 7406-25 7406-33		
Model	7406-25	7406-33
Temperature Range	5°C to 60°C	
Temperature Control	± 0.1°C	
Temperature Uniformity	± 0.3°C	
Temperature Sensor	RTD	
Humidity Range	Ambient to 90% RH	
Humidity Control	± 3% RH	
Humidity Sensor	Capacitive	
CO2 Range	0-20% CO2	
CO2 Control	± 0.1% CO2	
CO2 Sensor	Infrared	
Interior Construction	Type 304, 2B Finish, Solid Stainless Steel	
Exterior Dimensions	35.5" W x 33.3" D* x 77.1" H (90.2cm x 84.6cm x 195.8cm)	35.5" W x 33.3" D* x 90" H (90.2cm x 84.6cm x 229cm)
Exterior Construction	Cold Rolled Steel, Powder Coated	
Work Space	25 Cu. Ft. (708 Liters)	33 Cu. Ft. (934 Liters)
# of Shakers	Two (2)	Three (3)
Shaker Platform Dimensions	26.5" W x 23" D (67.3cm x 58.4cm)	

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TECHNICAL SPECIFICATIONS

POWER SPECIFICATIONS

Model	7406-1	7406-2	7406-3
Power Requirements	115V, 60Hz, 16A FLA	230V, 60Hz, 10A FLA	230V, 50Hz, 10A FLA
Plug Connection	NEMA 5-20	NEMA 6-15	CEE 7/7

WEIGHT (WITH SHAKERS INSTALLED)

Model	7406-25	7406-33
-1	958 lbs (435 kg)	1093 lbs (496 kg)
-2	958 lbs (435 kg)	1093 lbs (496 kg)
-3	1258 lbs (571 kg)	1393 lbs (632 kg)

Specifications are subject to change without notice. Environmental Conditions: Temperature 15°C to 25°C, Humidity non-condensing

*Add 2.75 inches for handle

**Includes export shipping crate

7406-25 Series units have forced internal air flow of 350 cfm (9,900 LPM)

7406-33 Series units have forced internal air flow of 450 cfm (13,000 LPM)

CONDENSATE RECIRCULATOR SYSTEM SPECIFICATIONS

Model	7406-25	7406-33
Water Purity*	100 to 125 kΩ-cm	
Water Reservoir	3 gallons (11.4 L)	
Exterior Dimensions	6.2" W x 28.8" D x 30.9" H (15.7cm W x 78.6cm D x 73.1cm H)	
Exterior Construction	Cold Rolled Steel, Powder Coated	
Shipping Weight	100 lbs (45.36 kg)	

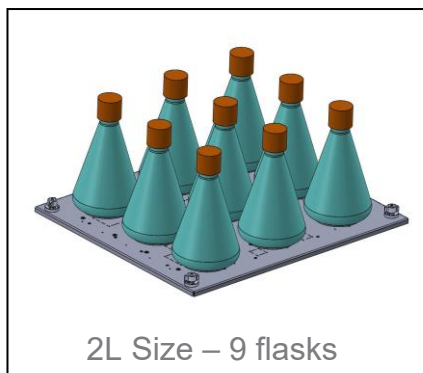
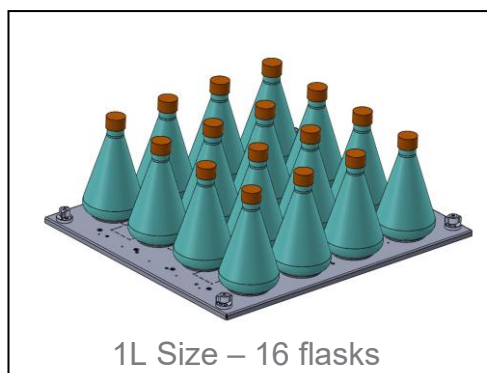
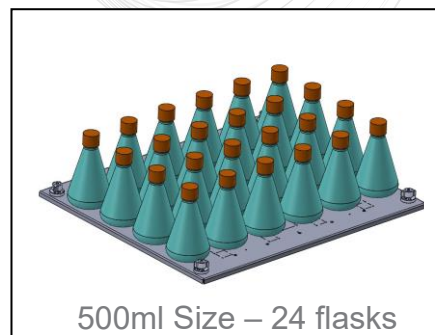
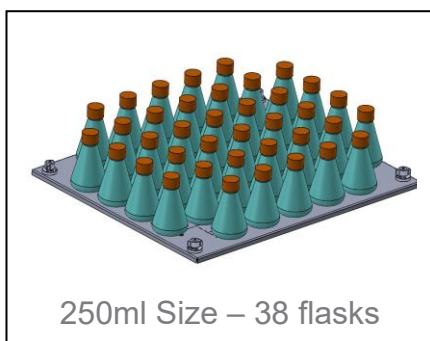
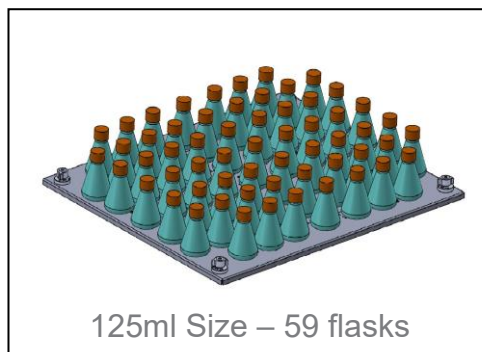
* Water purity measured internally.

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DIMENSIONAL REFERENCES

See the diagrams below for the maximum number of flasks of each size that can be loaded on the shaker platform.



Flask Size	Max Number of Flasks per Shaker	Max Number of Flasks per Incubator	Max RPM for .75" Orbit	Max RPM for 1" Orbit	Max RPM for 1.5" Orbit	Max RPM for 2" Orbit
125ml	59	177	425	255	240	200
250ml	38	114	425	245	235	190
500ml	24	72	305	235	220	185
1 Liter	16	48	280	225	210	170
2 Liter	9	27	250	225	200	170
5 Liter	6	18	215	180	175	140

CELL CULTURE INCUBATOR: CO2 INCUBATOR SHAKERS + CELL ROLLERS

ACCESSORIES

STOCK NO.	DESCRIPTION	7406-25	7406-33
ALRM302	Remote Alarm Contacts for 7000 Series Chambers. Provides NO and NC dry contacts for alarms.	✓	✓
BOTL301	Side Mounted Carboy for Humidified Chambers. Water fill bottle with cap, 2.5 gallons (9.5 liters). Includes tubing and fittings.	✓	✓
CRSY102-1	Universal Condensate Recirculating System; 115V, 60Hz	⚡	⚡
CRSY102-4	Universal Condensate Recirculating System; 230V, 50/60Hz	⚡	⚡
CRSY103	Integrated Condensate Recirculating System w/ H2O2	✓	✓
CRSYKIT	Tubing and fitting kit to connect CRSY102 to two (2) chambers.	✓	✓
DLOG301	On-board USB connections allow real time electronic data logging and storage to a USB flash drive. Logged parameters are time stamped and include chamber temperature and (if applicable) humidity, CO2 level, & light intensity. Records over one year of data.	✓	✓
DOOR310	Light tight door cover for 708 L (25 CF) series chambers/incubators (with glass). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.	✓	
DOOR311	Solid insulated door (no glass) for 708 L (25 CF) series chambers/incubators. Note: cannot be used with accessory DOOR303. Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.	✓	
DOOR312	Light tight door cover for 934 L (33 CF) series chambers/incubators (with glass). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.		✓
DOOR313	Solid insulated door (no glass) for 934L (33 CF) series chambers/incubators. Note: cannot be used with DOOR307. Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.		✓
DOOR321	Light tight door cover for 25 ft3 stainless steel incubators (that have been upgraded with CLEN303). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.	✓	
DOOR322	Light tight door cover for 33 ft3 stainless steel incubators (that have been upgraded with CLEN304). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.		✓
LGHT601-1	Ultraviolet Germicidal Lamp deactivates microorganisms, for CRSY102-1. For 115V units.	✓	✓
LGHT601-4	Ultraviolet Germicidal Lamp deactivates microorganisms, for CRSY102-4. For 230V units.	✓	✓
LGHT602-1	UV Germicidal Lamp for Humidified 10, 25 & 33 CF Series Chambers. Deactivates microorganisms in-line with humidity water supply. For 115V units.	⚡	⚡
LGHT602-4	UV Germicidal Lamp for Humidified 10, 25 & 33 CF Series Chambers. Deactivates microorganisms in-line with humidity water supply. For 230V units.	⚡	⚡

CELL CULTURE INCUBATOR: CO₂ INCUBATOR SHAKERS + CELL ROLLERS

ACCESSORIES

STOCK NO.	DESCRIPTION	7406-25	7406-33
LTCH304	One-handed outer door latch with lock for use with 25 & 33 ft ³ stainless steel chambers (upgraded with CLEN303 or CLEN304). Factory or customer installed.	✓	✓
OUTP307	Universal analog output (0-5V, 4-20mA) for use with Caron 7310 and 7406 series. Provides five connections for monitoring temperature, humidity, CO ₂ , or light banks/shakers.	✓	
OUTP308	Universal analog output (0-5V, 4-20mA) for use with Caron 7310 and 7406 series. Provides six connections for monitoring temperature, humidity, CO ₂ , or light banks/shakers.		✓
PORT301	Additional 2" Access Port for 10, 25 & 33 CF Chambers.	✓	✓
PUMP301	Drain Water Pump for humidified chambers.	✓	✓
RAMP301	Ramp and soak allows precise programming of temperature, relative humidity and lights (if applicable). Includes 5 profiles with up to 10 steps each, 50 total steps. The repeat features allows multiple and continuous routines to easily setup and manage profiles. Factory installed at time of order.	✓	✓
SHLF300	Additional Stainless Steel Perforated Shelf Kit. Includes 2 shelf tracks.	✓	✓
SHLF303	Additional Heavy-duty Stainless Steel Perforated Shelf Kit for 25/33 CF.	✓	✓
STER301	Sterilization Module, Vaporized Hydrogen Peroxide. Complete with Condition, Sterilization, and Inactivation phases, less than 40 minutes overall. For use with 7410/7411/7420 series CO ₂ incubators. Factory or Field installed.	✓	✓
STER302	Hydrogen Peroxide, single 33 ml container of 35% H ₂ O ₂ . For use with STER301 in sterilizing incubators.	✓	✓
STER303	Hydrogen Peroxide, set of five, 33 ml containers of 35% H ₂ O ₂ . For use with STER301 in sterilizing incubators.	✓	✓
CRD01/07	IEC UK Type G, 2.5m, 230V power cord	✓	✓
CRD02/03	EU Schuko Type F, 2.5m, 230V power cord	✓	✓
CRD03/02	USA 3 Pin Type B, 2m, 120V power cord	✓	✓
CRD04/03	Switzerland Type J, 2.5m, 230V power cord	✓	✓
CRD05/02	AUS/ NZ Type I, 2.5m, 230V power cord	✓	✓
CRD06/02	ZAF/ Indian Type M, 2.5m, 230V power cord	✓	✓
CRD07/02	Denmark Type K, 2.5m, 230V power cord	✓	✓
CRD08/02	China ONLY Type I, 2.5m, 230V power cord	✓	✓
CRD09/02	Israel Type H, 2.5m, 230V power cord	✓	✓
CRD10/02	Brazil Type N, 2.5m, 127V/230V power cord	✓	✓