

Optimum uniformity

plus a wide temperature range



A Choice of Environmental Chambers to Meet Your Specific Needs

From stability testing to cell culturing, CO₂, RH, and refrigeration control to temperature-only, and 11.0 to 29.0 cu. ft., Thermo Scientific™ Forma™ environmental chambers are built to last and will meet your needs now and in the future.

If you require a high precision cabinet to meet ICH, FDA, TAPPI, ASTM or national testing standards our 3920/3940/3911 Series is the ideal choice.

- Uniformity and a wide temperature range for easy compliance with regulatory requirements
- Rugged construction and durable shelving designed for long life
- Broad range of options to create the perfect fit for your applications

Consider our **Thermo Scientific 3960 Reach-In Incubator/ Environmental Chamber** if you are focused on elevated temperature-only segments of drug stability and culture.

- Optimum uniformity and an elevated temperature range for easy compliance with regulatory requirements
- Rugged construction and durable shelving for long life
- Valuable features designed for flexibility and cost-effectiveness

At-A-Glance Chamber Comparison

Ту	уре	Thermo Scientific Cat. No.	Temp Range	Uniformity	RH	Size (Cu. Ft.)	CO ₂	Lights
		3940 (3949)	0°C TO 60°C	±0.3°C @ 25°C to 37°C	Above ambient to 95% @ 37°C	29.0	Optional	Optional*
		3920	0°C TO 60°C	±0.3°C @ 25°C to 37°C	N/A	29.0	Optional	Optional*
St	tability	3911 (3913)	0°C TO 60°C	±0.3°C @ 25°C to 37°C	Above ambient to 95% @ 37°C	11.0	Optional	N/A
	,	3960 (3961)	5°C above ambient to 60°C	±0.4°C @ 30°C ±0.3°C @ 37°C ±0.5°C @ 45°C	N/A	29.0	N/A	N/A

^{*}Lights (Cat. No. See page 11) do not meet ICH guidelines.

Thermo Scientific 3920/3940/3911 Series Stability Chambers for a Multitude of Applications

This series of environmental chambers meets International Conference on Harmonization (ICH) guidelines* for drug substance and product storage testing. The units are ideal for drug stability studies, shelf life testing for packaged products, and insect and other large-scale biological research.

Optimum uniformity and a wide temperature range for easy compliance with regulatory requirements

These chambers feature a 0°C to 60°C (32°F to 140°F) temperature range that can be set in 0.1°C increments. The broad temperature range, and optimum temperature uniformity and recovery contribute to an ideal test environment, even when the chamber contains large product loads and low output, heat-generating equipment.

Advantages of our directed horizontal laminar airflow system

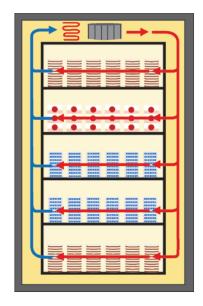
Our directed airflow system (shown below) promotes an ideal growth environment. The enhanced design includes a positive pressure feed plenum on the right side of the chamber and a negative pressure return plenum on the left to distribute the airflow uniformly throughout the chamber.

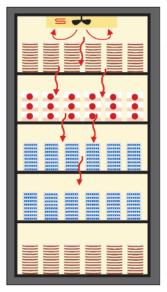
This combination directs air across the surface of each solid shelf. Even when filled with samples or equipment, each shelf receives a consistent flow of conditioned air for optimum temperature uniformity and recovery.

As opposed to our horizontal airflow system, top-tobottom (non-directed) airflow systems use a topmounted fan to push air down through wire shelves.

Temperature uniformity and recovery can deteriorate quickly when shelves are filled because air movement is blocked. That variation in temperature, alone or when combined with frequent door openings, may compromise environmental conditions or make process validation difficult.

Standard 4 to 20 milliamp output connects to most alarm/monitoring systems, allowing you to meet internal and regulatory product documentation requirements. Chart recorders are also available.







The Thermo Scientific directed airflow design (left) versus a top-to-bottom, undirected airflow design (right).

The directed airflow minimizes the risk of product desiccation and loss, and wasted time and money due to poor temperature uniformity and recovery.



Rugged construction and durable shelving for long life

- Exterior cabinet is 18 gauge cold-rolled steel, powder coated for durability and a high quality appearance that resists scratches and chipping.
- 2.0" (5.1cm) thick, non-CFC, foamed-in-place polyurethane cabinet insulation provides maximum product thermal protection and increased rigidity for reliable daily use.
- Phenolic-coated evaporator protects against corrosive by-products or agents in the chamber atmosphere (e.g., secretions from insects such as flies), ensuring long life.
- Solid, stainless steel interior is more durable and corrosion-resistant than plastic or painted metal, ensuring long life and minimizing equipment costs.
- Heavy-duty, solid, stainless steel shelves are easy-toclean, saving time and effort; more corrosion-resistant than coated wire shelves for long life; and adjustable for convenience.
- 29.0 cu. ft. models include 6 shelves that are adjustable on 3.0" (7.6cm) centers.
- 11.0 cu. ft. model includes 3 shelves that are adjustable on 2.0" (5.1cm) centers.
- Reinforced floor/shelf components for 29.0 cu. ft. models are available so you can use shakers, cell rollers, or other heavy equipment or product loads inside the chamber to meet a variety of applications.
- Swivel, locking casters ensure easy mobility during installation and cleaning. Leveling feet provide stability and added safety in the lab.

Broad range of options create a perfect fit for your applications

Many options are available so you can tailor this series to your specific applications.

Factory-installed options (ordered separately) include:

- Choice of access ports for inserting data logging sensors or cables.
- Convenience receptacles to run electrical devices in chamber.
- Choice of chart recorders for data logging.
- Choice of data outputs for monitoring/alarm (3960 / 3961 models only).
- Infrared CO₂ Control Package for control of a CO₂ environment.
- Heatless dryer for low humidity conditions check temperature / humidity chart (see page 5).
- Door light package for plant growth, seed germination, algae, small animal, insect studies.
- Stainless steel door glass for light sensitive applications.
- Door options include door lock, left-hand door, and Lexan™ inner door.
- Choice of shaker support systems provides system safety.
- Temperature mapping and calibration certificate customized.

Accessories/on-site options (ordered separately) include:

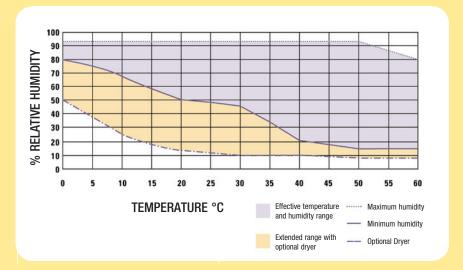
- Extra and special shelving.
- Reinforced floor options for heavy weights up to 150 lb.
- Sensaphone[™] telephone dialing systems interfaces with standard touch-tone phone.
- Cell roll system for production of monolayer cell cultures (see page 7).
- On site IQ/OQ/PQ validation services.

Options for the humidity system:

- Condensate pump kit: recommended when the accessible drain on lab wall is well above the drain on back of environmental chamber.
- Condensate evaporator: external heating device which burns off water that drips out the back
 of the unit when there is no drain available.

Temperature/Humidity Performance Chart for 3940 (3949) and 3911 (3913)

The following chart illustrates the maximum and minimum attainable humidity within the cabinet at a given set temperature under the following nominal conditions: refrigeration on, defrost off, no wet bulb recorder, no air exchange, set for 22.2°C (72°F) and 50% RH ambient. Optional heatless dryer is available for lower humidity levels.



Chamber Specifications

Thermo Scientific Cat. No.	3920 **	3940 **	3949 **	3911 **	3913**
Description	29 cu. ft. Incubated/Refrigerated Environmental Chamber	29 cu. ft. Incubated/Refri Chamber with humidity c	0	11 cu. ft. Incubated/Refrig Chamber with humidity co	
Voltage	120V, 60 Hz	208-220V, 60 Hz	220-240V, 50/60 Hz	208-220V, 60 Hz	220-240V, 50/60 Hz
Temperature				1	
Control	±0.1°C @ 25°C to 37°C (77°F to 98.6°F)	±0.1°C @ 25°C to 37°C	(77°F to 98.6°F)	±0.1°C @ 25°C to 37°C	(77°F to 98.6°F)
Range	0°C to 60°C (32°F to 140°F)	0°C to 60°C (32°F to 14	0°F)	0°C to 60°C (32°F to 140)°F)
Sensor	RTD	RTD		RTD	
Controller	Microprocessor, PID	Microprocessor, PID		Microprocessor, PID	
Programmability	Ramp & Soak (to 40 steps)	Ramp & Soak (to 40 step	os)	Ramp & Soak (to 40 steps	8)
Setpoint	Digital	Digital		Digital	
Display	Digital dual LED	Digital dual LED		Digital dual LED	
Readability & Setability	0.1°C	0.1°C		0.1°C	
Uniformity*	±0.3°C @ 25°C to 37°C (77°F to 98.6°F)	±0.3°C @ 25°C to 37°C	(77°F to 98.6°F)	±0.3°C @ 25°C to 37°C	(77°F to 98.6°F)
Temperature Safety					
Sensor & Controller	Thermostat	Thermostat		Thermostat	
Setpoint	Analog reference dial	Analog reference dial		Analog reference dial	
Alarm	Audible/visual	Audible/visual		Audible/visual	
Refrigeration					
Compressor	1/4 HP, air-cooled	1/4 HP, air-cooled		1/4 HP, air-cooled	
Refrigerant	Non-CFC, R134A refrigerant	Non-CFC, R134A refriger	rant	Non-CFC, R134A refrigera	ant
Humidity					
Input Water Quality		50K-1Megohm resistanc	е	50K-1Megohm resistance)
Input Water Volume		1 gallon/hour		1 gallon/hour	
Input Water Pressure		Gravity to 40 psi		Gravity to 40 psi	
RH		Above ambient to 95% @	37°C (98.6°F) ±5.0% RH	Above ambient to 95% @	37°C (98.6°F) ±5.0% RH
Sensor		Capacitive – thin film pol	ymer	Capacitive – thin film poly	mer
Controller		Microprocessor, PID		Microprocessor, PID	
Programmability		Ramp & Soak (to 40 step	os)	Ramp & Soak (to 40 steps	3)
Setpoint		Digital (direct set in % RF	H)	Digital (direct set in % RH	
Display		Digital, dual LED (direct re	ead in % RH)	Digital, dual LED (direct re	ad in % RH)
Readability & Setability		1.0%		1.0%	
Steam Generator		Initial fill approx. 1 qt. (1	liter)	Initial fill approx. 1 qt. (1 li	ter)
Setable Alarm		Audible/visual		Audible/visual	
Certification	cULus	cULus	CE	cULus	CE

^{*}Six shelves in 3920 and 3940 (3949), three shelves in 3911 (3913); uniformity is ±0.5°C at all other temperature parameters.





^{**}All models require a drain unless fitted with the optional Condensate Evaporator (No. 1900031). 3940 (3949) and 3911 (3913) also require a constant water source.

Chamber Specifications continued

Thermo Scientific Cat. No.	3920 **	3940 **	3949 **	3911 **	3913**
Description	29 cu. ft. Incubated/Refrigerated Environmental Chamber	29 cu. ft. Incubated/Refri Chamber with humidity c	-	11 cu. ft. Incubated/Refri Chamber with humidity of	-
Fittings**					
Fill Port		1/8" female NPT		1/8" female NPT	
Drain Port (bottom)	3/8" FPT & 3/8" O.D. P-trap right rear	3/8" FPT & 3/8" O.D. P-tr	ap right rear	3/8" FPT & 3/8" O.D. P-trap right rear	
Unit Heat Load					
115V	5500 BTUH (1600 Watts)	5500 BTUH (1600 Watts))	5500 BTUH (1600 Watts)
220V	6000 BTUH (1750 Watts)	6000 BTUH (1750 Watts))	6000 BTUH (1750 Watts)
Dimensions					
Exterior					
Width	38.0" (96.5cm)	38.0" (96.5cm)		38.0" (96.5cm)	
Height	88.5" (224.8cm)	88.5" (224.8cm)		51.5" (130.8cm)	
F-B	32.0" (81.3cm)	32.0" (81.3cm)		32.0" (81.3cm)	
Interior		·			
Width	31.0" (78.7cm)	31.0" (78.7cm)		31.0" (78.7cm)	
Height	60.0" (152.4cm)	60.0" (152.4cm)		24.0" (60.9cm)	
F-B	27.0" (68.6cm)	27.0" (68.6cm)		27.0" (68.6cm)	
Shelves					
Dimensions	30.6"W x 25.8" F-B (77.8cm x 65.6cm)	30.6"W x 25.8" F-B (77.	8cm x 65.6cm)	30.6"W x 25.8" F-B (77.	8cm x 65.6cm)
Construction	Solid stainless steel, reinforced	Solid stainless steel, rein	forced	Solid stainless steel, rein	forced
Surface Area per Shelf	5.4 sq. ft. (0.5 sq. m)	5.4 sq. ft. (0.5 sq. m)		5.4 sq. ft. (0.5 sq. m)	
Max. Surface Area per Chamber	104.3 sq. ft. (9.7 sq. m)	104.3 sq. ft. (9.7 sq. m)		59.4 sq. ft. (5.5 sq. m)	
Standard/Maximum Number of Shelves	6, 19	6, 19		3, 11	
Load per Shelf	35 lbs. (15.9 kg), slide in/out 50 lbs. (22.7 kg), stationary	35 lbs. (15.9 kg), slide in/o 50 lbs. (22.7 kg), stationa		35 lbs. (15.9 kg), slide in/out 50 lbs. (22.7 kg), stationary	
Construction					
Interior Volume	29.0 cu. ft. (821.2 liters)	29.0 cu. ft. (821.2 liters)		11.0 cu. ft. (311.5 liters)	
Interior Material	Type 304, 2B finish, stainless steel	Type 304, 2B finish, stair	nless steel	Type 304, 2B finish, stair	nless steel
Exterior Material	Cold-rolled steel, powder coated	Cold-rolled steel, powder	coated	Cold-rolled steel, powder	coated
Outer Door Gasket	Four-sided, vinyl compression	Four-sided, vinyl compres	ssion	Four-sided, vinyl compre	ssion
Electrical	120V, 60 Hz, 16.0 Amps 3 Wire (including ground)	208-220V, 60 Hz, 15.0 Amps 4 Wire (including ground) single phase	220-240V,50/60 Hz 14.0 Amps, 3 Wire (including ground) must be hardwired to a lockable fused disconnect switch	208-220V, 60 Hz 15.0 Amps 4 Wire (including ground) single phase	220-240V,50/60 Hz 14.0 Amps, 3 Wire (including ground) mus be hardwired to a lockable fused disconnect switch
Dry Contacts	Common, NO, NC	Common, NO, NC		Common, NO, NC	
Data Output	4-20 milliamp, temperature	4-20 milliamp, temperatu	ure and RH	4-20 milliamp, temperate	ure and RH
Power Switch	2 Pole	2 Pole		2 Pole	
Plug	NEMA 5-20P (-	NEMA 14-20P	None	NEMA 14-20P	None
Weight		<u> </u>			
Net	700 lbs. (317.5 kg)	765 lbs. (347.0 kg)		575 lbs. (260.8 kg)	
Shipping (motor)	850 lbs. (385.6 kg)	1,040 lbs. (471.7 kg)	940 lbs. (426.4 kg)	715 lbs. (324.3 kg)	

^{*}All models require a drain unless fitted with the optional Condensate Evaporator (No. 1900031). 3940 (3949) and 3911 (3913) also require a constant water source.

Incubator/Environmental Chamber for Elevated Temperature Applications

The 29.0 cu. ft. (821.2 liters) 3960 (3961) offers precise temperature control in a range of 5°C above ambient to 60°C (140°F), making this unit ideal for clinical applications, elevated temperature stability

3960 (3961) Models

- Large size for high volumes and a broad range of products
- Heated glass door for minimal condensation and a clear view
- Interior and exterior convenience receptacles, and five adjustable shelves
- Thermo Scientific Enviro-Scan[™] controls with easy-to-read display of actual temp studies, and shelf life testing.

Cell Roll System

The optional cell roll system allows extensive production of monolayer cell cultures in standard roller culture vessels. Oxygenation and exposure of the cells to the media growth area are improved. Culture yields are increased by the uniform temperature control and cell roll system's continuous, gentle rotation.

The environmental chamber accommodates a cell roller up to 7 decks high with 5 positions per deck for a maximum total of 35 positions, or bottles.

Achieving maximum capacity requires a 4862 (4868) three tier cell roller base (15 positions), four add-on tiers (20 positions), and a reinforced floor/ramp.

All position drive is standard. Adjustable speed control provides precise speeds of 0.125 to 6.25 RPM with $\pm 1.0\%$ accuracy, based on 110mm bottles.





Uniformity and an Elevated Temperature Range for Easy Compliance with Regulatory Requirements

Our directed airflow system promotes an ideal growth environment. The proven design includes a positive pressure feed plenum and a negative pressure return plenum. This combination directs air across the surface of each solid shelf. Even when filled with samples or equipment, each shelf receives a consistent flow of conditioned air for optimum temperature uniformity and recovery. By design, the feed plenum cannot be blocked by the chamber's contents. (Refer to the diagram on page 3.)



Intuitive, powerful Enviro-Scana key Forma advantage

- > ensures precise temperature control without complicated programming
- > provides audible/visual under-temperature and overtemperature alarms for peace-of-mind
- > includes an easy-to-read display for convenient, continuous monitoring.
- Enviro-Scan operating modes include Run, Setpoint, Calibration, and System Configuration.
- Standard remote alarm contacts and available data outputs allow connection to an in-house monitor/alarm system to track chamber conditions, helping you meet internal and regulatory documentation requirements. Chart recorders are available.



Durable construction and shelving for long life

- Exterior cabinet is 18 gauge cold-rolled steel, powder coated for durability and a high quality appearance that resists scratches and chipping.
- Maximum product thermal protection and added cabinet strength for reliable daily use are provided by the 2.0" (5.1cm) thick fiberglass cabinet insulation.
- Solid, stainless steel interior is more durable and corrosion-resistant than plastic or painted metal, ensuring long life and minimizing equipment costs.
- Five heavy-duty, solid, stainless steel shelves, adjustable on 2.0"
 (5.1cm) centers, are easy-to-clean, saving time and effort; more corrosion-resistant than coated wire shelves for long life; and adjustable for convenience.
- Reinforced floor/shelf components are available so you can use shakers, cell rollers, or other heavy equipment or product loads inside the chamber to meet a variety of applications.

Valuable features included for costeffectiveness and flexibility

Casters, access ports, convenience receptacles, heated glass door, and remote alarm contacts — all are included up-front. Our 3960 Incubator/ Environmental Chamber is prepared to meet your changing application needs without the added cost of expensive add-on options.

- Swivel, locking casters ensure easy mobility during installation and cleaning. Leveling feet provide stability and added safety in the lab.
- Thru-wall access ports, located on the right and left sides of the chamber, make it possible to add probes, sensors, etc. without altering the cabinet.
- Interior and exterior accessory receptacles provide a convenient power source.
 - Interior GFCI duplex receptacle on the 115V 3960 unit (Single European 230V CEE 7 on 3961) located in the upper right corner of the rear wall, permits the use of shakers, cell rollers, and other equipment inside the chamber, eliminating the inconvenience of an extra external power strip.
 - Exterior receptacle, located on the upper-right side of the control panel, is available for connecting an optional recorder or other Forma accessories.



Chamber Specifications

Thermo Scientific Cat. No.	3960	3961
Description	29 cu. ft. Incubated Environmental Chamber	29 cu. ft. Incubated Environmental Chamber
Voltage	115V, 50/60 Hz	200-230V, 50/60 Hz
Temperature		
Control	±0.1°C	±0.1°C
Range	5°C above ambient to 60°C (140°F)	5°C above ambient to 60°C (140°F)
Uniformity	±0.4°C @ 30°C (86°F) ±0.3°C @ 37°C (98.6°F) ±0.5°C @ 45°C (113°F)	±0.4°C @ 30°C (86°F) ±0.3°C @ 37°C (98.6°F) ±0.5°C @ 45°C (113°F)
Low Alarm	User programmable and indicator	User programmable and indicator
Over-temperature		
Sensor	Precision thermistor	Precision thermistor
Setability	0.1°C	0.1°C
Function	User programmable, action (shuts off heat), and indicator	User programmable, action (shuts off heat), and indicator
Temperature Safety (Cabinet)		
Sensor	Independent thermostat	Independent thermostat
Туре	Independent analog electronic	Independent analog electronic
Fittings		
Access Port With Stopper	2.4" (6.1cm) I.D., one on each side	2.4" (6.1cm) I.D., one on each side
Unit Heat Load		
115V/230V	510 BTUH (150 Watts) 129 kcal per hour	510 BTUH (150 Watts) 129 kcal per hour
Shelves		
Dimensions	30.6"W x 25.8"F-B (77.7cm x 65.5cm)	30.6"W x 25.8"F-B (77.7cm x 65.5cm)
Construction	2B finish, solid stainless steel	2B finish, solid stainless steel
Surface Area	5.4 sq. ft. (0.5 sq. m) per shelf	5.4 sq. ft. (0.5 sq. m) per shelf
Max. per Chamber	140.4 sq. ft. (13.0 sq. m)	140.4 sq. ft. (13.0 sq. m)
Standard/Maximum No. of Shelves	5, 26	5, 26
	30 lbs. (13.6 kg) per shelf, fully inserted and stationary;	30 lbs. (13.6 kg) per shelf, fully inserted and stationary;
Loading	not to exceed 300 lbs. (136.0 kg) total per cabinet	not to exceed 300 lbs. (136.0 kg) total per cabinet
Construction		
Interior Volume	29.0 cu. ft. (821.2 liters)	29.0 cu. ft. (821.2 liters)
Interior Material	Type 304, 2B finish, stainless steel	Type 304, 2B finish, stainless steel
Exterior Material	Cold-rolled steel, powder coated	Cold-rolled steel, powder coated
Insulation	2.0" (5.1cm) fiberglass	2.0" (5.1cm) fiberglass
Exterior Door	Heated, triple pane, tempered glass	Heated, triple pane, tempered glass
Outer Door Gasket	Molded vinyl	Molded vinyl
Electrical		
	115V, 50/60 Hz, 9.0 Amps (Operating range 90-125V includes voltage fluctuations)	200/230V, 50/60 Hz, 5.0 Amps (Operating range 180-250V includes voltage fluctuations)
Circuit Breaker/Power Switch	15 Amps; 2 pole	8 Amps; 2 pole
Exterior Convenience Receptacle	75 Watts maximum (matches cabinet voltage)	75 Watts maximum (matches cabinet voltage)
Interior Convenience Receptacle	230 Watts maximum (matches cabinet voltage)	230 Watts maximum (matches cabinet voltage)
Plug	115V: NEMA 5-15P (1)	Plug 230V: CEE 7/7 Plug 👽
Alarm Contacts	Temperature deviation and power failure; Common, NO, and NC; customer connections through RJ11 jack on rear of unit	Temperature deviation and power failure; Common, NO, and NC customer connections through RJ11 jack on rear of unit
Data Outputs (opt.)	RS-485, 0-1V, 0-5V, 4-20 milliamp	RS-485, 0-1V, 0-5V, 4-20 milliamp
Dimensions		
Exterior	38.0"W x 80.0"H x 33.0"F-B (96.5cm x 203.2cm x 83.8cm)	38.0"W x 80.0"H x 33.0"F-B (96.5cm x 203.2cm x 83.8cm)
Interior	31.0"W x 60.0"H x 27.0"F-B (78.7cm x 152.4cm x 68.6cm)	31.0"W x 60.0"H x 27.0"F-B (78.7cm x 152.4cm x 68.6cm)
Weight		
Net	500 lbs. (226.8 kg)	500 lbs. (226.8 kg)
Shipping (motor)	660 lbs. (299.4 kg)	660 lbs. (299.4 kg)
Certification	cULus	CE





Accessories (All are customer installed unless indicated otherwise)

Accessories (A	All are customer installed unless indicated
Thermo Scientific Cat. No	Description
Shelving	Document
	s for 3920, 3940 (3949), 3911 (3913), and 3960 (3961)
224139	Solid Stainless Steel Shelf and Channels for 3920, 3940 (3949), 3911 (3913), and 3960 (3961)
224155	Perforated Stainless Steel Shelf and Channels for 3920, 3940 (3949), 3911 (3913), and 3960 (3961)
224161	Reinforced Stainless Steel Shelf and Channels for 3920, 3940 (3949), 3911 (3913), and 3960 (3961); two per unit max., not for shakers; 150
0	lb. (68.0 kg) load maximum with shelf fully inserted and stationary
Shaker Support Syste	
1900005*	Two shelf shaker support system without duplex outlet, each shelf will hold 200 lbs., for 3920, 3940, (3949) and 3960 (3961). Must be ordered with duplex outlet (505099 or 505094)
190761*	Three shelf shaker support system includes duplex outlet, each shelf will hold 200 lbs., for 3920, 3940, (3949) and 3960 (3961)
Door Options, factory	installed
190239	Lexan® Inner Door Kit (five doors) for 3920, 3940 (3949), and 3960 (3961); factory installed
190514	Door Lock Assembly for 3920, 3940 (3949), and 3960 (3961); factory installed
190597	Left-Hand Door Swing Kit for 3920 and 3940 (3949); factory installed
Stainless Steel Door G	ilass Covers
190591	For 3920, 3940 (3949), and 3960 (3961); factory installed
190892	For 3920, 3940 (3949), and 3960 (3961)**
Door Light Package, fa	actory installed
190032 (220V, 60Hz)	
1900604 (120V, 60Hz)	Door light package with 8 fluorescent light bulbs for plant growth, seed germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights.
	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of
1900604 (120V, 60Hz) 1900605 (220V, 50Hz)	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights.
1900604 (120V, 60Hz) 1900605 (220V, 50Hz)	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights.
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182***	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. DISS Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182***	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. **Possible 1.** **Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller **Same as No. 500182 but factory installed**
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182*** 190777*** Access Ports, factory	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. **Possible 1.** **Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller **Same as No. 500182 but factory installed**
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182*** 190777*** Access Ports, factory	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Points Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182*** 190777*** Access Ports, factory 505101 193004	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Option 500182*** 190777*** Access Ports, factory 193004 190164	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. **Possible** Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed **Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optic 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Posts Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover 6" nominal ID port with cover
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optic 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptage	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Posts Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover 6" nominal ID port with cover
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Option 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptar 505099	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Possible Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover Cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Option 500182*** 190777*** Access Ports, factory 193004 190164 193005 193006 Convenience Receptar 505099 505094	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Possible Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover Cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optio 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptace 505099 505094 Data Outputs (select of	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover Cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Option 500182*** 190777*** Access Ports, factory 193004 193005 193006 Convenience Receptate 505099 505094 Data Outputs (select of	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity o light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Paramagnetic floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Option 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptant 505099 505094	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Post Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall RS-485 interface (compatible with 1535 Monitor/Alarm only)
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optic 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptac 505099 505094 Data Outputs (select of	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Post Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall RS-485 interface (compatible with 1535 Monitor/Alarm only) 4-20 milliamp
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optic 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptac 505099 505094 Data Outputs (select of 190523 190512 190543 190544	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) l.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) l.D., customer specified location 4" nominal ID port with cover cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall RS-485 interface (compatible with 1535 Monitor/Alarm only) 4-20 milliamp 0-5V
1900604 (120V, 60Hz) 1900605 (220V, 50Hz) Reinforced Floor Optic 500182*** 190777*** Access Ports, factory 505101 193004 190164 193005 193006 Convenience Receptac 505099 505094 Data Outputs (select of 190523 190512 190543 190544	germination, algae, small animal and insect studies for 3920, 3940 and (3949); A 24-hour timer enables automated light on/off cycles. Intensity of light can be modified in 4 steps by enabling / disabling from 2 to 8 lights. Reinforced Floor with Removable Ramp for 3920, 3940 (3949), and 3960 (3961); accommodates a cell roller Same as No. 500182 but factory installed installed Port for 3920, 3940 (3949), and 3911 (3913); 1.5" (3.8 cm) I.D.; on center right wall 2" nominal ID port with cover Port for 3960 (3961), 2.4" (6.1 cm) I.D., customer specified location 4" nominal ID port with cover 6" nominal ID port with cover cles, factory installed 120V Duplex (includes separate line cord) for 3920, 3940, and 3911; located on center rear wall 230V (includes separate line cord) for 3949, and 3913; located on center rear wall RS-485 interface (compatible with 1535 Monitor/Alarm only) 4-20 milliamp 0-5V 0-1V

We confidently back our environmental chambers with a two-year parts and labor warranty.

- * Rubber isolators replace casters for maximum stability.

 ** Must be installed by qualified personnel.

 *** Ramp extends approximately 23.0" (58.4cm) in front of the chamber.

 ****Specification sheets for protocol and field validations are available for review upon request by calling Pre-Sales at 866-984-3766 or emailing: LPG.presales@thermofisher.com.

Thermo Scientific	
Cat. No	Description
Chart Recorders and	Paper
	Digital Recorders for 3920, 3940 (3949), and 3911 (3913); draw own
	ingle or dual pen; 120V, 50/60 Hz; factory installed
198036	Left Side
198039	Right Side
198042	Top, adds 20.3" (51.6cm) to cabinet height
197054	Replacement Chart Paper, 100 per box
6", 7 Day Chart Record (32°F to 140°F); 115V,	lers for 3920, 3940 (3949), and 3911 (3913); 0°C to 60°C 50/60 Hz
201144	Single Pen, factory installed201145 Single Pen201146 Dual Pen, factory installed
201147	Dual Pen
6", 7 Day Chart Record	lers for 3960 (3961), 0°C to 60°C (32°F to 140°F), single pen
201155	115V, 50/60 Hz
201156	230V, 50/60 Hz
6" Chart Paper for Reco	orders, 50 per box
180006	For Single Pen, 0°C to 60°C (32°F to 140°F)
197030	For Single Pen, -10°C to 70°C (14°F to 158°F)
197075	For Single or Dual Pen, 0°C to 100°C (32°F to 212°F)
RH System Options	
184062	Condensate Pump Kit for 3920, 3940 (3949), and 3911 (3913) Elevated Drains; includes separate line cord, 115V
1900031	Condensate Evaporator for 3920, 3940, and 3911; includes separate line cord; 115V
1900391	Condensate Evaporator for 3949 and 3913; includes separate line cord; 240V
1900139	Heatless Dryer Kit for 3940 (3949) and 3911 (3913), for sub-ambient chamber RH, factory installed; The heatless dryer requires an air supply of
	90 psi capable of 10 cfm, at minimum. It is recommended that the air supply be greater than the minimum required by the dryer.
Deionization Cartridge	e Assembly for chambers with humidity and no DI water source
019-168-00	DI cartridge assembly includes DI cartridge, wall bracket, pressure regulator and gauge and 1/4" flexible tubing
585-036-00	Replacement DI cartridge
Calibration Certificate	e and Temperature Mapping with Report
260045	Temperature Mapping Report (factory installed)
260049	Calibration Certificate (specify test parameters)
cGxP Protocols and o	n site Validation Services****
	100
GLP Level Protocols (IQ	(UQ)
	For 3920, 3960
IOQDOCE89003499	For 3920, 3960
IOQDOCE89003499	For 3920, 3960 For 3940 (3949) 3911 (3913)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IO	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IO	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati	For 3920, 3960 For 3940 (3949) 3911 (3913) 0 00 PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ 0Q) Performed at the customer site
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no	For 3920, 3960 For 3940 (3949) 3911 (3913) Q OQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ OQ) Performed at the customer site o extra charge)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no	For 3920, 3960 For 3940 (3949) 3911 (3913) Q OQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ OQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) tion (IQ OQ PQ) Performed at the customer site o extra charge)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) tion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) tion (IQ QQ PQ) Performed at the customer site o extra charge) For 3920, 3960
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at not) IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at not) IOQPCKE89003710 GMP Level Field Validati (protocol included at not) IOPQPCKE89003499 IOPQPCKE89003710	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) tion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) For 3920, 3960 For 3940 (3949) 3911 (3913)
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at not IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at not IOPQPCKE89003710 IOPQPCKE89003710 Miscellaneous Access	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPCPCKE89003710 Miscellaneous Access 1900226	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site overtra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site overtra charge) For 3940 (3949) 3911 (3913) For 3920, 3960 For 3920, 3960 For 3920, 3960 For 3920 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IV IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPCKE89003499 IOPQPCKE89003499 IOPQPCKE89003710 Miscellaneous Access	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPCPCKE89003710 Miscellaneous Access 1900226	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site overtra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site overtra charge) For 3940 (3949) 3911 (3913) For 3920, 3960 For 3920, 3960 For 3920, 3960 For 3920 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPCKE89003710 GMP Level Field Validati (protocol included at no IOPQPCKE89003710 Miscellaneous Access 1900226 1900227	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site overtra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site overtra charge) For 3940 (3949) 3911 (3913) For 3920, 3960 For 3920, 3960 For 3920, 3960 For 3920 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (I/I IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPQPCKE89003710 GMP Level Field Validati (protocol included at no IOPQPCKE89003710 Miscellaneous Access 1900226 1900227 Cell Roll System 4862	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) tion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920 For 3940 (3949) and 3911 (3913) Three Tier Cell Roller Base (15 positions), 120V, 50/60 Hz, 29.8"W x
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPQPCKE89003499 IOPQPCKE89003710 Miscellaneous Access 1900226 1900227 Cell Roll System	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) ion (IQ QQ PQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920 For 3940 (3949) and 3911 (3913) Three Tier Cell Roller Base (15 positions), 120V, 50/60 Hz, 29.8"W x 27.8"H x 24.4"F-B (75.7cm x 70.6cm x 62.0cm) Same as 4862 but 230V, 50/60 Hz
IOQDOCE89003499 IOQDOCE89003710 GMP Level Protocols (IC IOPQDOCE89003499 IOPQDOCE89003710 GLP Level Field Validati (protocol included at no IOQPCKE89003499 IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOQPCKE89003710 GMP Level Field Validati (protocol included at no IOPQPCKE89003710 Miscellaneous Access 1900226 1900227 Cell Roll System 4862	For 3920, 3960 For 3940 (3949) 3911 (3913) Q QQ PQ) For 3920, 3960 For 3940 (3949) 3911 (3913) ion (IQ QQ) Performed at the customer site o extra charge) For 3920, 3960 For 3940 (3949) 3911 (3913) tion (IQ QQ PQ) Performed at the customer site o extra charge) For 3940 (3949) 3911 (3913) sories Infrared CO2 Control Packages, factory installed For 3920 For 3940 (3949) and 3911 (3913) Three Tier Cell Roller Base (15 positions), 120V, 50/60 Hz, 29.8"W x 27.8"H x 24.4"F-B (75.7cm x 70.6cm x 62.0cm) Same as 4862 but 230V, 50/60 Hz Add-On Tier (5 positions), 29.8"W x 7.1"H x 24.4"F-B (75.7cm x 18.0cm
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