

Thermo Scientific CryoMed

Order Information

Product Name	CryoMed	CryoMed	CryoMed	CryoMed	CryoMed
Model No. (120V)	7450	7452	7454	7456	7458
Model No. (220V)	7451	7453	7455	7457	7459
Model No. (100V)	7472	7473	7474	7475	7476
Selection Guide					
Application	Sample Preparation	Sample Preparation	Sample Preparation	Sample Preparation	Sample Preparation
Preparation Type	Controlled Rate Freezing	Controlled Rate Freezing	Controlled Rate Freezing	Controlled Rate Freezing	Controlled Rate Freezing
Chamber Volume	0.6 cu ft / 17 Liters	1.2 cu ft / 34 Liters	1.7 cu ft / 48.1 Liters	0.6 cu ft / 17 Liters	1.2 cu ft / 34 Liters
Access Type	Front Access	Front Access	Front Access	"Top & Front" Access IVF units	"Top & Front" Access IVF units
Temperature Range	50°C to -180°C	50°C to -180°C	50°C to -180°C	50°C to -180°C	50°C to -180°C
System Capability Specification					
Straw Rack	4	8	12	4*	8*
Number of straws per rack	40	40	40	40*	40*
Maximum number of straws	160	320	480	160*	320*
Cane Rack	1	1	1	1*	1*
Number of canes per rack	77	162	162	77*	162*
Maximum number of canes	77	162	162	77*	162*
Canister Rack Cord Blood	3	6	9	3*	6*
Number of canisters per cord blood rack	10	10	10	10*	10*
Maximum number of canisters for cord blood rack	30	60	90	30*	60*
Canister Rack Adjustable	N/A	2	2	N/A	2*
Number of canisters per adjustable rack	N/A	11	11	N/A	11*
Maximum number of canisters for adjustable	N/A	22	22	N/A	22*
Vial Rack Holder	1	1	1 & 1	1*	1*
Number of 1.2 & 2mL racks per holder	5	5	5	5*	5*
Number of 1.2 & 2mL vials per rack	76	161	237	76*	161*
Maximum number of 1.2 & 2mL vials	380	805	1,185	380*	805*
Number of 4 & 5mL racks per holder	3	3	3	3*	3*
Number of 4 & 5mL vials per rack	76	161	237	76*	161*
Maximum number of 4 & 5mL vials	228	483	711	228*	483*
Skin Rack 2 Level	1	2	3	1*	2*
Number of packets per 2 skin level rack	48	48	48	48*	48*
Maximum number of packets per 2 skin level rack	48	96	144	48*	96*
Skin Rack 1 Level	2	4	6	2*	4*
Number of packets per 2 skin level rack	24	24	24	24*	24*
Maximum number of packets per 2 skin level rack	48	96	144	48*	96*
Bag press Nexell R4R9953 (Fenwal 4R5461)	4	8	16	4*	8*
Number of bags Nexell R4R9953 (Fenwal 4R5461) per press	2	2	2	2*	2*
Maximum number of Nexell R4R9953 (Fenwal 4R5461) bags	8	16	32	8*	16*
Bag press Gambro DF-200	N/A	4	8	N/A	4*
Number of bags Gambro DF-200	N/A	2	2	N/A	2*
Maximum number of Gambro DF-200 bags	N/A	8	16	N/A	8*
Bag press Delmed 2030-2	N/A	4	8	N/A	4*
Number of bags Delmed 2030-2	N/A	4	4	N/A	4*
Maximum number of Delmed 2030-2 bags	N/A	16	32	N/A	16*

*These accessories can only be used when top loading cane vial and straw holders are not in use

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Bag press Nexell R4R9953 (Fenwal 4R5461)	N/A	4	4	N/A	4*
Number of bags Nexell R4R9953 (Fenwal 4R5461)	N/A	4	4	N/A	4*
Maximum number of Nexell R4R9953 (Fenwal 4R5461) bags	N/A	16	16	N/A	16*
Bag press Gambro DF-200	N/A	4	8	N/A	4*
Number of bags Gambro DF-200	N/A	4	4	N/A	4*
Maximum number of Gambro DF-200 bags	N/A	16	32	N/A	16*
Bag press Gambro DF-700	N/A	4	8	N/A	4*
Number of bags Gambro DF-700	N/A	2	2	N/A	2*
Maximum number of Gambro DF-700 bags	N/A	8	16	N/A	8*
Bag press Nexell R4R9955 (Fenwal 4R5462)	4	8	12	4*	8*
Number of bags Nexell R4R9955 (Fenwal 4R5462)	2	2	2	2*	2*
Maximum number of Nexell R4R9955 (Fenwal 4R5462) bags	8	16	24	8*	16*
Holders & Plug for IVF application					
0.25 / 0.5mL straw holder (holds 4 straws)	N/A	N/A	N/A	N/A	N/A
1.2 / 2.0mL vial holder, (holds 1 vial)	N/A	N/A	N/A	N/A	N/A
1.2 / 2.0 / 4.0 / 5.0mL cane holder (holds 6, 5, 4, 3 canes)	N/A	N/A	N/A	N/A	N/A
Sleeve plug	N/A	N/A	N/A	N/A	N/A
Chamber Dimensions					
Exterior (w x h x d)	31.7 x 21.2 x 20.4 inches 80.5 x 53.8 x 51.8cm	37.7 x 21.2 x 20.4 inches 95.8 x 53.8 x 51.8cm	43.7 x 21.2 x 20.4 inches 111 x 53.8 x 51.8cm	31.7 x 22.5 x 20.4 inches 80.5 x 57.2 x 51.8cm	37.7 x 22.5 x 20.4 inches 95.8 x 57.2 x 51.8cm
Interior (w x h x d)	7 x 12 x 13 inches 17.8 x 30.5 x 33cm	13 x 12 x 13 inches 33 x 30.5 x 33cm	19 x 12 x 13 inches 48.3 x 30.5 x 33cm	7 x 12 x 13 inches 17.8 x 30.5 x 33cm	13 x 12 x 13 inches 33 x 30.5 x 33cm
Product Weight					
Net	140 lbs. / 63.5 kg	160 lbs. / 72.6 kg	180 lbs. / 81.63 kg	140 lbs. / 63.5 kg	160 lbs. / 72.6 kg
Packaged / Shipping	200 lbs. / 90.7 kg	215 lbs. / 97.5 kg	235 lbs. / 106.6 kg	200 lbs. / 90.7 kg	215 lbs. / 97.5 kg
Installation Information					
Product clearance	Add 2.8 inches (7.1cm) to F-B for utilities & door handle	Add 2.8 inches (7.1cm) to F-B for utilities & door handle	Add 2.8 inches (7.1cm) to F-B for utilities & door handle	Add 2.8 inches (7.1cm) to F-B for utilities & door handle	Add 2.8 inches (7.1cm) to F-B for utilities & door handle
Utility connection	0.5 inches, 45 degree flare, 6 ft (1.8m) SS flexible hose	0.5 inches, 45 degree flare, 6 ft (1.8m) SS flexible hose	0.5 inches, 45 degree flare, 6 ft (1.8m) SS flexible hose	0.5 inches, 45 degree flare, 6 ft (1.8m) SS flexible hose	0.5 inches, 45 degree flare, 6 ft (1.8m) SS flexible hose
Electrical 100V, 50/60 Hz	10.5 FLA, operating range 90-110V, NEMA 5-15P plug	10.5 FLA, operating range 90-110V, NEMA 5-15P plug	10.5 FLA, operating range 90-110V, NEMA 5-15P plug	10.5 FLA, operating range 90-110V, NEMA 5-15P plug	10.5 FLA, operating range 90-110V, NEMA 5-15P plug
Electrical 120V, 60 Hz	12 FLA, operating range 108-132V, NEMA 5-15P plug	12 FLA, operating range 108-132V, NEMA 5-15P plug	12 FLA, operating range 108-132V, NEMA 5-15P plug	12 FLA, operating range 108-132V, NEMA 5-15P plug	12 FLA, operating range 108-132V, NEMA 5-15P plug
Electrical 220V, 50/60 Hz	5.5 FLA, operating range 207-253V, CEE 7/7 plug	5.5 FLA, operating range 207-253V, CEE 7/7 plug	5.5 FLA, operating range 207-253V, CEE 7/7 plug	5.5 FLA, operating range 207-253V, CEE 7/7 plug	5.5 FLA, operating range 207-253V, CEE 7/7 plug
LN ₂ supply tank	Requires 22 psi low pressure supply tank	Requires 22 psi low pressure supply tank	Requires 22 psi low pressure supply tank	Requires 22 psi low pressure supply tank	Requires 22 psi low pressure supply tank

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