



medical
systems

VACCINE TRANSPORT BOXES

RCW1 FF | RCW2 | RCW4 | RCW8 | RCW12 | RCW25 | RCW25 FF

7

MODELS



Shock
Resistant



Lifetime Anti-corrosion
Warranty



Anti-theft

Vaccine Transport Boxes designed for the reliable, safe and efficient transport of vaccines or pharmaceuticals from different storage centers to vaccination sites

Vaccine Transport Boxes



Gross volume range from 1.9L to 44L

Robust rotomolded body

- Made of rotationally molded polyethylene featuring a sturdy casing
- Designed for intensive use
- Corrosion-free material
- Sturdy body adapted for use in hostile conditions

RAL 6031
Colour - Green

Compliances & Certifications

- MDR (EU) 2017/745, Class I
- Directive 2008/68/EC on the inland transport of dangerous goods by Road (ADR) and Rail (RID)
- Directive 2002/84/EC on maritime transport: IMDG
- International agreement for air transport: ICAO-TI/IATA-DGR
- WHO PQS Certified models available¹



Security & Reliability

- Sealable claps protecting from unauthorized access
- Designed to operate in tropical environments with temperature ranging between +5°C to +43°C²

High insulation

- CFC & HFC-free polyurethan foam injected into the double walls of the transport boxes ensuring optimum insulation and protection
- Superior hold-over time

1. Except RCW2

2. RCW25 FF temperature ranging between +15°C to +43°C

Freeze Free Products Available: RCW1 FF | RCW25 FF



Vaccine Transport Boxes: RCW Range – Performance Data



Vaccine Transport Boxes

**Product image for representation only, may vary depending on the configuration*

								
		RCW2	RCW4	RCW8	RCW12	RCW25	RCW1 FF	RCW25 FF
Cooling system		Passive					Passive	
Gross volume (L)		1.9	8	20	24	44	6.5	44
Vaccine storage capacity (L)		0.92	3	6	7	20	1.04	10
Cold life (up to +10°C) at +43°C		-	30.3 h	57.9 h	114.9 h	134.6 h	32.1 h	110 h 37 min
Cool life (up to +20°C) at +43°C		-	6.7 h	12 h	26.4 h	34.4 h	-	4 h 43 min
Warm life (down to 0°C) at -20°C		-	12.9 h	21.6 h	40.9 h	49.5 h	-	-
Dimensions H x W x D (mm)	External	210 x 250 x 150	299 x 362 x 283	437 x 588 x 288	499 x 550 x 475	499 x 710 x 550	430 x 347 x 281	499 x 710 x 550
	Internal	125 x 190 x 80	186 x 260 x 156	245 x 460 x 180	270 x 340 x 260	264 x 496 x 334	208 x 223 x 139	264 x 496 x 334
Net weight (kg)		1.2	3.1	6.8	11.7	15.9	4.8	27.1
Weight fully loaded (kg)		2.3	7.3	16.4	23.3	38.9	7.6	40.61
Insulation thickness (polyurethane)		30 mm	23-27 mm	50-60 mm	90-105 mm	90-105 mm	51-116 mm	90-105 mm
External / Internal material		Polyethylene					Polyethylene	
Accessories		2 Ice Packs of 0.3L Crystal thermometer Insert	6 Ice Packs of 0.3L 1 Ice Pack of 0.6L Crystal thermometer Insert small and large	10 Ice Packs of 0.6L 2 Ice Pack of 0.3L Crystal thermometer	14 Ice Packs of 0.6L Crystal thermometer	24 Ice Packs of 0.6L Crystal thermometer	3 Ice Packs of 0.6L 1 Carrying strap 1 Crystal thermometer 1 Electr. thermometer 3 vaccine vial holders	18 Ice Packs of 0.6L 1 Crystal thermometer 2 Pad Locks
Required ice packs		2 x 0.3 L	1 x 0.6 L and 6 x 0.3 L	10 x 0.6 L and 2 x 0.3 L	14 x 0.6 L	24 x 0.6 L	3 x 0.6 L	18 x 0.6L
PQS code		-	E004 / 002	E004 / 003	E004 / 004	E004 / 005	E004 / 059	E004 / 090
							Freeze Free Models	

**All values were measured at +32°C or +43°C according to the climate zone of the concerned model (unless otherwise specified).*

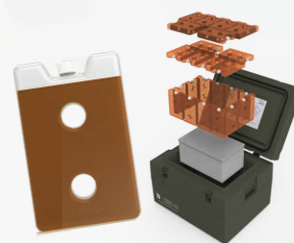
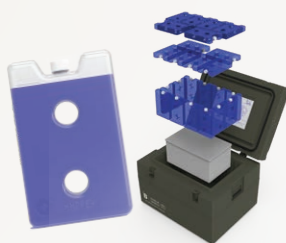


Vaccine Transport Boxes: RCW-ET Range - Performance Data



PCM (Phase Change Material) technology to deliver precise, long duration temperature control: ideal for extended missions

Phase Changing Material: RCW25



PCM +5°C

PCM -30°C

Load volume (L)	20 L			20 L		
PCM Type	+5°C			-30°C		
PCM Color	Blue			Orange		
Number of PCM elements	14	18	24	14	18	24
Cold Life at +20°C (ambient temperature)	88.3 h (+2°C to +8°C)	108.4 h (+2°C to +8°C)	160.2 h (+2°C to +8°C)	50 h (below -20°C)	67 h (below -20°C)	92.5 h (below -20°C)
Cold Life at +43°C (ambient temperature)	10 h (+2°C to +8°C)	24.3 h (+2°C to +8°C)	40.7 h (+2°C to +8°C)	26.5 h (below -20°C)	40.2 h (below -20°C)	57.8 h (below -20°C)

Note: To use Phase Change Material (PCM), transport boxes from the RCW-ET Range will be required.

PCM Performance data for RCW25

Active material	Dry ice - 9mm pellets	
Average amount of dry ice (kg)	23	21
Cold Life at +20°C (ambient temperature)	218 h (below -60°C)	191 h (below -60°C)
Cold Life at +43°C (ambient temperature)	193 h (below -60°C)	140 h (below -60°C)

B Medical Systems S.à r.l

SAVING LIVES THROUGH RELIABLE AND INNOVATIVE TECHNOLOGY

B Medical Systems is a global manufacturer and distributor of medical-grade devices with over 40 years of industrial experience.

Contact:

17, op der Hei, Hosingen L-9809, Luxembourg

Tel: +352 92 07 31 1 | Email: info@bmedicalsystems.com | www.bmedicalsystems.com

