



MVE Biological Solutions for Life Sciences

Storage & Transport Systems for Cryopreservation



MVE Asia

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YDH Vapor Shippers

The YDH Vapor Shipper Series is designed for the safe transportation of biological samples at cryogenic (150C or colder) temperatures. These vapor shippers each have a corresponding plastic protective shipping container (PPSC) in order to protect the tank and the samples inside during shipment. YDH Vapor Shipper Series also utilizes the Advanced Qwick Charge Technology that will charge the shipper in two hours. New/warm tanks still need to be filled with liquid nitrogen and allowed to sit for 24 hours to achieve maximum hold time.



		YDH-3	YDH-8-80	YDS-8-90
Specifications	Unit			
US Comparable Model		SC 4/2V	SC 4/3V	SC 20/12V or Doble 20
Part Number		20005473	20005474	20670835
Capacity	L	3.5	8	8
Empty Weight	kg	5.2	8.9	11.4
Neck Diameter	mm	50	80	90
Outer Diameter	mm	224	303	406
Height	mm	505	590	485
Static Evaportaion Rate	L/day	0.14	0.22	0.35
Static Hold Time	d	25	36	23
Canister Diameter	mm	38	70	70
Canister Height	mm	279	279	126
Number of Canisters	ea	1	1	6
Straw Holding Capacity	0.5ml	214	821	2588
	0.25ml	472	1780	6192
Number of Canes	ea	4	5	
Nubmer of Vials		20	57	
PPSC Part Number		21127559	20994123	21041515

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YDS Cryosystem Series



		YDS-47-127	YDS-65-216	YDS-120-216	YDS-175-216
Specifications	Unit				
US Comparable Model		CryoSystem 750	CryoSystem 2000	CryoSystem 4000	CryoSystem 6000
Part Number		20005469	20005470	20005471	20005475
Capacity	L	47.0	65.0	121.0	175.0
Empty Weight	kg	19.0	27.5	43.0	54.5
Neck Diameter	mm	127	216	216	216
Outer Diameter	mm	500	573	573	676
Height	mm	675	710	1000	1010
Static Evaporation Rate	L/day	0.3	0.8	0.9	0.9
Static Hold Time	d	142	82	139	202
Number of Racks	ea	7	5	5	7
Measurement of Rack	mm	82 x 84	142 x 144	142 x 144	142 x 144
Measurement of Box	mm	76 x 76	134 x 134	134 x 134	134 x 134
Numbers of Vials	ea	875	2025	4050	5670

Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

TWO YEAR WARRANTY

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ET-47 Series

The ET-47 tank is a very comparable model to the MVE USA model XC-47/11. The ET-47 is available in both 6 and 10 canister configuration. The ET-47 continues the quality build to include a durable, lightweight tank that can be relied on to perform in the most demanding environments. The ET-47 includes a temper-proof hinged lid, locking tabs, and color-coded canister/lid numbering system.



Specifications	Unit	ET-47-6	ET-47-10
US Comparable Model		XC 47/11-6	XC 47/11-10
Part Number		20910602	20413203
Capacity	L	47.7	47.7
Empty Weight	kg	18.1	18.1
Neck Diameter	mm	127	127
Outer Diameter	mm	500	500
Height	mm	673	637
Static Evaporation Rate	L/day	0.4	0.4
Static Hold Time	d	120	120
Canister Diameter	mm	73	108
Canister Height	mm	279	279
Number of Canisters	ea	6	10
Straw Holding Capacity	0.5ml	7920	6720
	0.25ml		
Number of Canes	ea	126	440
Number of Vials		756	2200

Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

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YDS-L Series



		YDS-6L	YDS-10L	YDS-20L	YDS-30L	YDS-35L	YDS-50L
Specifications	Unit						
US Comparable Model		Lab 5	Lab 10	Lab 20	Lab 30	Lab 30	Lab 50
Part Number		20413289	20601714	20601711	20601710	20601713	20601715
Capacity	L	6.0	10.0	20.0	31.5	35.5	50.0
Empty Weight	kg	5.0	6.2	11.2	12.9	13.8	21.1
Neck Diameter	mm	50	50	50	50	50	50
Outer Diameter	mm	287	303	409	446	473	500
Height	mm	435	530	650	670	680	805
Static Evaporation Rate	L/day	0.12	0.10	0.10	0.10	0.11	0.20
Static Hold Time	d	63	101	202	295	333	252

Static evaporation loss and static hold time are nominal. Actual rate and hold time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

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Accessories

Push/Tipping Carts



Model	Unit	CryoTipper - Medium	CryoTipper Large	YDC-470	YDC-470F	YDC-470F-30
Part #	-	21714640	21714641	20005481	20603041	20613798
Function		Transport & Tip		Pushcart	Tipping Push Cart	
Tank Range		20L-30L	30L-50L	20L-50L	35L	30L
Weight	kgs	18.1	22.6	5.5	8.5	8.5

The ZYB-5 and ZYB-8 are the native discharge devices for the YDS-L Series in order to efficiently dispense LN2 from the liquid nitrogen tanks. These pumps offer both a foot pump operating method and a hand pump method. MVE USA discharge device models also available for the YDS-L Series.

LN2 Pumps



Model	Unit	ZYB-5	ZYB-8
Part #			
Height	mm	1050	950
Weight	kg	3.5	7.4
Drainage Capacity	L/min	>5	>8
Operating Frequency	Time/min	30-40	50-60
Operating Method		By Hand	By Foot

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