ACROSS INTERNATIONAL | Material Processing Equipment

ISO 9001:2015

5L Short Path Turn-Key

Equipment Name: Clear5w (DigiM5 x1,Clear5v x1, MX07R-20 x1, SV11C x1, StrataVac-2HeadKitxx1)

Key Features:

UL/CSA Package (UL SV11c is only available in 110)
Available in 110 or 220V

Type: Short Path Distillation Kit

Throughput (estimate): 400mL/hr-800mL/hr

MSRP: $9,990.00

Competition: Agrify and Summit

Added Highlights:

Ai DigiM 5L 300°C 2000 RPM Digital Heating & Stirring Mantle
Ai 5 Liter Short Path Distillation Kit with Valved adapters
PolyScience MX -20°C to 135°C 7L capacity recirculating chiller A
Ai SuperVac 11 cfm, 0.3 micron, dual-stage, corrosion-resist pump
DigiVac StrataVac Vacuum Regulation Kit For 1-Head Distillation
Across International item#: Clear5w

Floor Space: 60x30x35" (LxWxH)

Why Your Company?

Extended tech support hours 9am - 9pm EST
R&D capacity
Superior customer service experience

ACROSS INTERNATIONAL

DigiM Series Mantle Specifications

Model	DigiM05	DigiM2	DigiM5	DigiM10	DigiM20
Electrical requirements	110V 60Hz 1-Phase	110V 60Hz 1-Phase, 220V 50/60Hz 1-Phase			220V 60Hz 1-Phase
Power	110V: 220 W	110V/220V: 700W	110V/220V: 1100W	110V/220V: 2050W	110V/220V: 2900W
Amps	110V: 2A	110V: 8A, 220V: 4A	110V: 12A, 220V: 6A	110V: 24A, 220V: 12A	220V: 13.2 A
Temperature Range	Ambient to 300°C				
RPM Range	110-1500 RPM		110-2000 RPM		
Motor Power	40 watts,				
Motor Type	Brushless DC motor				
Controller	PID control with digital temperature and rotation speed display				
External Thermocouple	PT100				
Cable Length	40”			43”	
Stainless Steel Probe Length	9”			15”	
Stainless Steel Probe Diameter	5 mm				
Max. Flask Capacity	0.5L	2L	5L	10L	20L
Top Opening	4.25"	6.5”	9”	11.75”	14.75”
Depth	2.75"	4”	5.5”	6.75”	7.5”
Unit Dimensions (WXDXH)	9 x 14 x 7 in	11 x 16 x 8.5 in	13.5 x 17 x 10 in	18 x 17.5 x 13 in	20.5 x 20.5 x 13 in
Shipping Dimensions (WXDXH)	20 x 13 x 12 in	20 x 14 x 13 in	20 x 16 x 15 in	22 x 21 x 18 in	24 x 24 x 18 in
Weight	Unit: 11 lbs shipping: 15 lbs	Unit: 14 lbs shipping: 25 lbs	Unit: 22 lbs shipping: 32 lbs	Unit: 30 lbs shipping: 40 lbs	Unit: 40 lbs shipping: 50 lbs
Safety	Thermocouple failure protection				
Certification	ETL tested to UL and CSA standards (optional), CE (standard)				
Warranty	One year				

ACROSS INTERNATIONAL

SuperVac Pump Series Specification

Model	SV5C	SV11C	SV21C	SV53	SV194
Electrical requirements	115V or 220V switchable, 50/60Hz single phase, 370 watts	115V 60Hz or 230V 50/60Hz, single phase, 1,100 watts		220V/480V 50/60Hz Three phase, 3,000 watts	220V/480V 50/60Hz Three phase, 7,500 watts
Pumping rate	5.6 cfm	11.3 cfm (115V 60Hz), 9.3 cfm (230V 50/60Hz)	21 cfm	53 cfm	194 cfm
Ultimate vacuum without gas ballast	0.3 micron/millitorr				0.5 micron/millitorr
Ultimate vacuum with gas ballast	6 micron/millitorr				6 micron/millitorr
Inlet/outlet con nection	KF25/NW25 flange			KF40/NW40 flange	ISO-63 (ISO-63 to KF50 adapters included)
Oil volume	1 liter / 1.06 quart	1.5 liter / 1.59 quart	2 liter / 2.1 quart	4.5 liter / 4.75 quart	7-9 liter / 7.4-9.5 quart
Motor speed	1450 rpm (50Hz) or 1720 rpm (60Hz)	1715 rpm (at 60Hz) or 1440 rpm (at 50Hz)	1715 rpm	1720 rpm	1720 rpm (60Hz) 1440 rpm (50Hz)
Working temperature	5 to 40°C				20C to 40C
Unit/shipping dimensions (LxWxH)	17x6.75x9.75"/ 23x8.5x13"	21x7.5x12" / 36x10x17"	21x7.5x12" / 37x10x17"	9.25x28.5x24" (with filter) / 14.5x43x26"	46x21x20" / 51x29x30"
Unit/Shipping weight	47/55 lbs.	72/90 lbs	80 Lb / 98 Lb	165 Lb / 190 Lb	485 Lb / 620 Lb
Recommended oil	Ultragrade 19				
Noise level	< 56 dB				< 80 dB
Warranty	Two years				
Compliance	UL (E500328), CE	UL (E500328) 115V model ONLY, CE		NA	

7 Liter Refrigerated Circulator, -20°C

MX07R-20

Key Specifications

Description	-20, 7 L Ref. Circulator
Controller Type	MX
Display	3.25" LCD
Working Temperature Range °C	-20° to 135°
Temperature Stability °C	±0.07°
Temperature Calibration Capability	1-point
Working Access (L x W x D) (cm)	15.7 x 14.2 x 12.7 cm
Pump Type	Pressure
Flammability Class (DIN 12876-1)	I (NFL)
Electrical Plug Options	Part numbers listed are Standard U.S. and European types. Country specific plug types available. Contact your regional distributor to order.

Key Features

MX Controller

Key Features

- Large, universal icon and English display
- On-screen prompts
- Single-point calibration capability

Common Specifications

Working Temperature Range °F	-4° to 275°
Working Temperature Range °C	-20° to 135°
Nominal Cooling Capacity @ +20C (W)	200
Reservoir Capacity (gallons)	1.85
Reservoir Capacity (liters)	7
Reservoir/Tank Material	Stainless Steel
Reservoir Cover	Included
DuraTop	Yes
LidDock	Yes
Cleanable Air Filter	Yes
Working Access (L x W x D) (inches)	6.18 x 5.59 x 5 in
Working Access (L x W x D) (cm)	15.7 x 14.2 x 12.7 cm
Temperature Stability °F	±0.13°
Temperature Stability °C	±0.07°
Display	3.25" LCD
Display Resolution (Set)	0.1
Display Resolution (Read)	0.1
Pump Type	Pressure
Pump Speed	One
Process Connections	1/2" O.D. Barbed Tubes
Flammability Class (DIN 12876-1)	I (NFL)
Over-Temperature Protection / Failsafe Heater Control	Yes
Low Liquid Level Protection	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	21.3 x 8.7 x 25.4 in
Overall Dimensions (L x W x H) (cm)	54.1 x 22.1 x 64.5 cm
Refrigerant	R134a
Environmental Compliance	RoHS, WEEE
Shipping Weight (pounds)	84.0
Shipping Weight (kilograms)	38.1

Catalog Page Number 44-45

60 Hz Only

Part Number	MX07R-20-A11B
Maximum Pressure (psi)	2.3
Maximum Pressure (bar)	0.16
Maximum Pressure Flow Rate (gpm)	3.60
Maximum Pressure Flow Rate (l/min)	13.5
Cooling Capacity @ -20°C (W)	30
Cooling Capacity @ 0°C (W)	120
Cooling Capacity @ +20°C (W)	200
Cooling Capacity @ +100°C (W)	200
Included Hardware	Fitting Kit for External Applications
Heater Wattage	1100
Electrical Requirements (VAC/Hz/Ph/A)	120/60/1/12
Regulatory Approvals	ETL

© 2015-2020 **PolyScience** 6600 W. Touhy Avenue, Niles, Illinois 60714-4516 USA

Phone: +1(847) 647-0611 or +1(800) 229-7569 **Fax:** +1(847) 647-1155

*/

Source URL (modified on 03/30/2021 - 11:41): https://polyscience.com/circulating-baths/7-liter-refrigerated-circulator-20%C2%B0c-4