

20 Liter Refrigerated Circulator, -30°C



MX20R-30

Key Specifications

Description	-30, 20 L Ref. Circulator
Controller Type	MX
Display	3.25" LCD
Working Temperature Range °C	-30° to 135°
Temperature Stability °C	±0.07°
Temperature Calibration Capability	1-point
Working Access (L x W x D) (cm)	25 x 31.6 x 14 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	-22° to 275°
Working Temperature Range °C	-30° to 135°
Nominal Cooling Capacity @ +20C (W)	915
Reservoir Capacity (gallons)	5.28
Reservoir Capacity (liters)	20
Reservoir/Tank Material	Stainless Steel
Reservoir Cover	Included
DuraTop	Yes
LidDock	Yes
Cleanable Air Filter	Yes
Working Access (L x W x D) (inches)	9.85 x 12.45 x 5.5 in
Working Access (L x W x D) (cm)	25 x 31.6 x 14 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
WhisperCool Environmental Control Technology	Yes
Cool Command Refrigeration Technology	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	24 x 16.5 x 28 in
Overall Dimensions (L x W x H) (cm)	61 x 41.9 x 71.1 cm
Refrigerant	R404A
Environmental Compliance	RoHS, WEEE

Shipping Weight (pounds)	124.0
Shipping Weight (kilograms)	56.2
Catalog Page Number	44-45

60 Hz Only

Part Number	MX20R-30-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)	165
Cooling Capacity @ 0°C (W)	505
Cooling Capacity @ +20°C (W)	915
Cooling Capacity @ +100°C (W)	915
Included Hardware	Fitting Kit for External Applications
Heater Wattage	1100
Electrical Requirements (VAC/Hz/Ph/A)	120/60/1/13
Regulatory Approvals	ETL

50 Hz Only

Part Number	MX20R-30-A12E
Maximum Pressure (psi)	1.8
Maximum Pressure (bar)	0.12
Maximum Pressure Flow Rate (gpm)	3.10
Maximum Pressure Flow Rate (l/min)	11.9
Cooling Capacity @ -20°C (W)	165
Cooling Capacity @ 0°C (W)	505
Cooling Capacity @ +20°C (W)	915
Cooling Capacity @ +100°C (W)	915
Included Hardware	Fitting Kit for External Applications
Heater Wattage	1100
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/10
Regulatory Approvals	CE



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