



M05032U



ADMINISTRATIVE DATA

ATC Model Name	M05032U
ATC G/H-Series Equivalent	MGT5031/MGT5035

PHYSICAL ATTRIBUTES

Physical Dimensions (mm)	H 380mm x W 180mm x D435mm
Construction	Sheet steel gauge 1.5mm, Powder coated
Mounting Type	Benchtop
Acceptable Environment	Indoors (Standard)
Dry Weight (kg)	16kg
Wet Weight (kg)	17kg
Noise level (dB(A)) at 1 meter	≤64dB(A)
Product IP Rating	IP20
Airfreight	Ok
Sea Freight	Ok

TEMPERATURE CONTROL ATTRIBUTES

Cooling/Refrigeration Technology	Vapour Compression
Compressor Type	Fixed Speed Rotary
Evaporator Technology	Brazed Plate Heat Exchanger
Duty at +20°C Ambient, Setpoint +20°C (kW)	0.5kW
Refrigerant & Charge	R134a, 0.36g
Ambient Temperature Range (Standard)	+4°C to +20°C
Ambient Temperature Range (Extended)	+4°C to +35°C
Temperature Stability (with constant load)	±0.5°C
Temperature Resolution	±0.1°C

WATER CIRCUIT ATTRIBUTES

Designed Nominal Process Fluid Flowrate	3L/m (0.18m ³ /h)
Maximum Design Pressure	0-8 Bar (0-116psi)
Process Temperature Range (standard)	+4°C to +35°C
Process Temperature Range (Extended Low Temp)	-10°C
Process Temperature Range (Extended High Temp)	+60°C
Maximum Return Line Temperature	+60°C
Pump Options	3lpm 24V pump only
System Volume	1L
Tank Type	Stainless steel, Header
Flow and Pressure Control	Internal, PRV, 20-150psi
Connection Size	Pushfit 12mm
(Fittings to convert size as needed available)	
Construction Materials	Steel enclosure
Fluid Compatibility	Hexid Fluid (Propylene Glycol) Coolflow (Ethylene Glycol)

ELECTRICAL ATTRIBUTES

(90-264Vac, 1~/2~, 50/60Hz) U-spec	Available, 1A @ 230V
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SDI GROUP

SAFETY INTERLOCKS, PROTECTIONS, STANDARDS, AND INDICATORS

1st Party Approvals	CE
Empty Fluid Reservoir Alarm	Process stop interlock
Low Fluid Flow Alarm	Visual, HMI
Temperature Out of Range Alarm	Visual, HMI
RS485 Comms	Available, See SA00011
Volt-Free Contacts (Temp, Level, Flow)	Available, See SA00012
Compressor HP Switch	Standard
Interlock Restored, Restart Mode	Automatic
Overcurrent Fault-Cleared Restart Mode	Automatic
Overcurrent Protection	Standard, via fuse
Motor Thermal Overload	Standard, via fuse
Warranty Options	2-year parts, 1-year labour Enhanced warranty options