

LONG LIFE MICRO CRYOCOOLER MCC035

- **Very compact & lightweight**
- **Outstanding specific performance**
- **High MTTF (>30,000h)**
- **Cooling capacity of 0.6W
(@ 100K; 23°C)**
- **Ideal cooler for 24/7 applications**
- **Low vibration output**
- **REACH & RoHS compliant**

The MCC035 is the latest product of our Stirling cryocoolers based on Moving Magnet Technology. An optimized alignment process combined with low outgassing material composition inside the helium vessel results in lifetimes exceeding 30,000 hours.

The MCC035 combines smallest size dimensions with outstanding specific performance and provides a cooling capacity of more than 0.6W @ 100K.

With its compactness and reliability, the MCC035 is the ideal cryocooler for many commercial applications like e.g. spectroscopic devices and gas analyzers for both stationary and portable applications operating 24/7.

The MCC035 includes a highly efficient digital cooler control electronics or can alternatively be operated with customer's electronics.

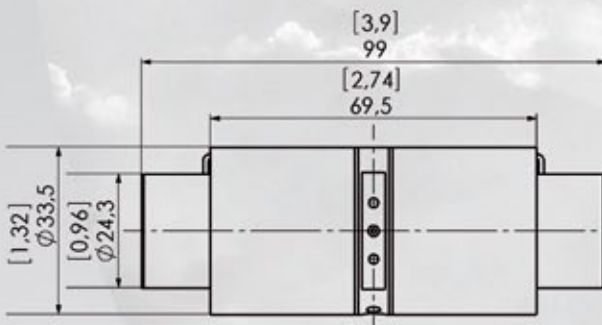
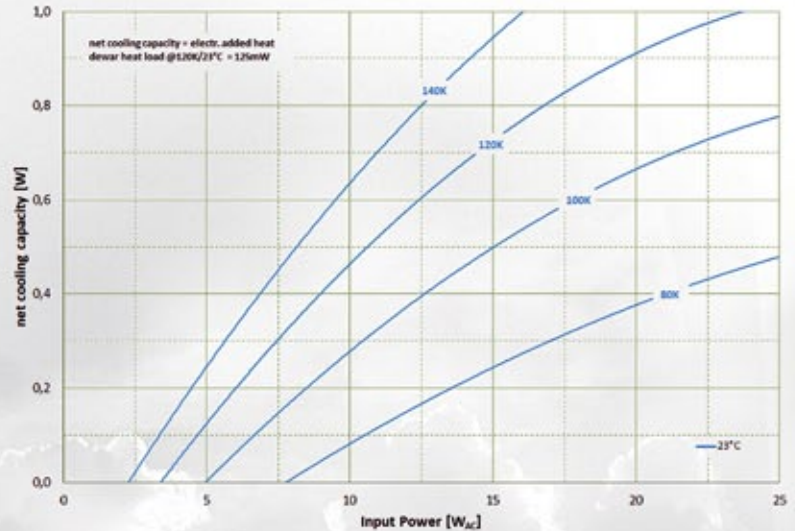


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Typical Performance Data
MCC035 @ 23°C

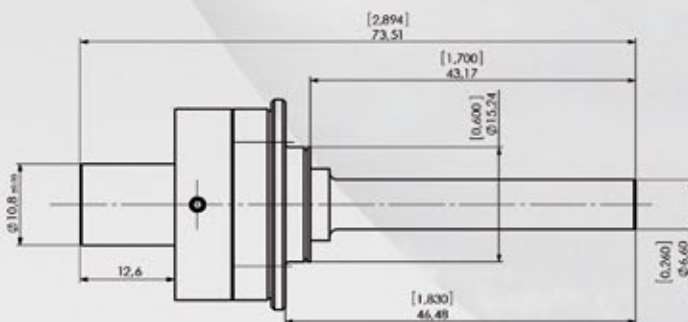
Applications

- Spectroscopic devices at 80-160K
- Stationary gas analyzers
- Portable Ge / Si-Detectors
- Ambient temperature at -40°C to +60°C
- 24/7 devices

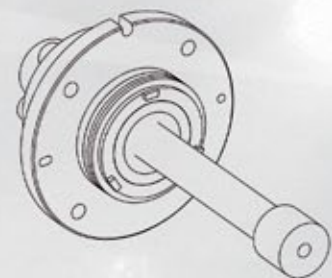


Dimensions MCC035 compressor

		MCC035
Compressor diameter	[mm/in]	33.5 / 1.32
Compressor length	[mm/in]	99 / 3.9
Compressor weight (without coldfinger)	[g/lb]	430 / 0.95
Supply voltage	[V _{AC}]	5 - 15
Cooler Controller		μDCE050 / DCE100
Ambient temperature range	[°C]	-40 to +60
Suitable coldfinger diameter		6mm, 8mm



Dimensions AIM Industrial Coldfinger



Coldfinger I/F contains e.g. a thread hole

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