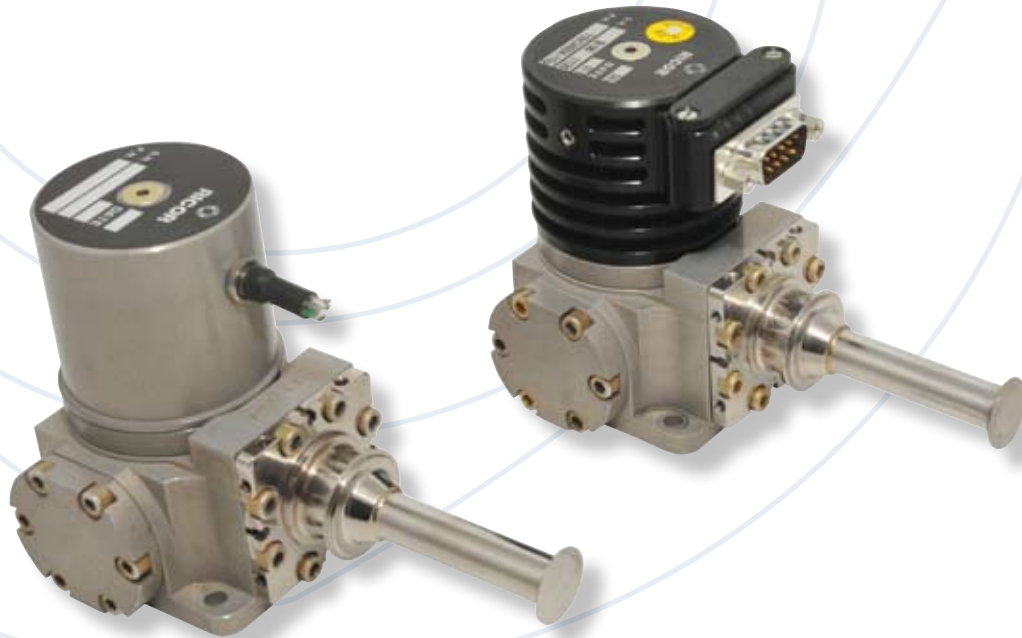


K548

Integral Stirling 3/4W Micro Cooler



Model K548 is a member of RICOR's expanding family of Integral rotary IDDCA microcoolers. This family is solidly based on the concepts of direct detector mounting on the cooler cold finger, and the integral construction of the cooler and Dewar envelope. The K548 model represents a further stage of development of this proven design concept, undertaken to meet the demand for more cooling power and the cold finger stiffness requirements of the large FPA formats. It also offers longer operating life, hence reduced life cycle costs. The microcooler family contains an onboard temperature controller which offers standby, remote shutdown and over-current protection options.

Detectors	Applications	
Mega Pixel Array	Missile Warning Systems	Gas Leak Detection
QWIP 65÷70 Kelvin	Border Surveillance	FTIR
Dual Band/Color	UAV's	Non Destructive Testing
	Observation Payloads	
	IR Search and Track	
	Airborne EVS	
	Thermography	
	Fire Control Systems - AFV / MBT	



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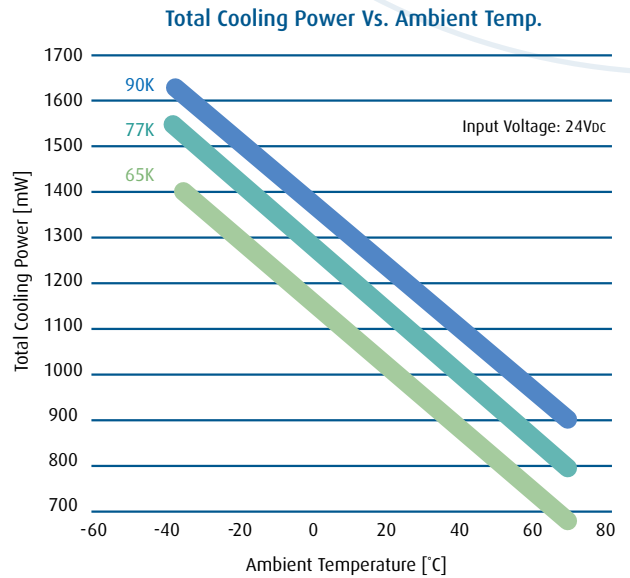
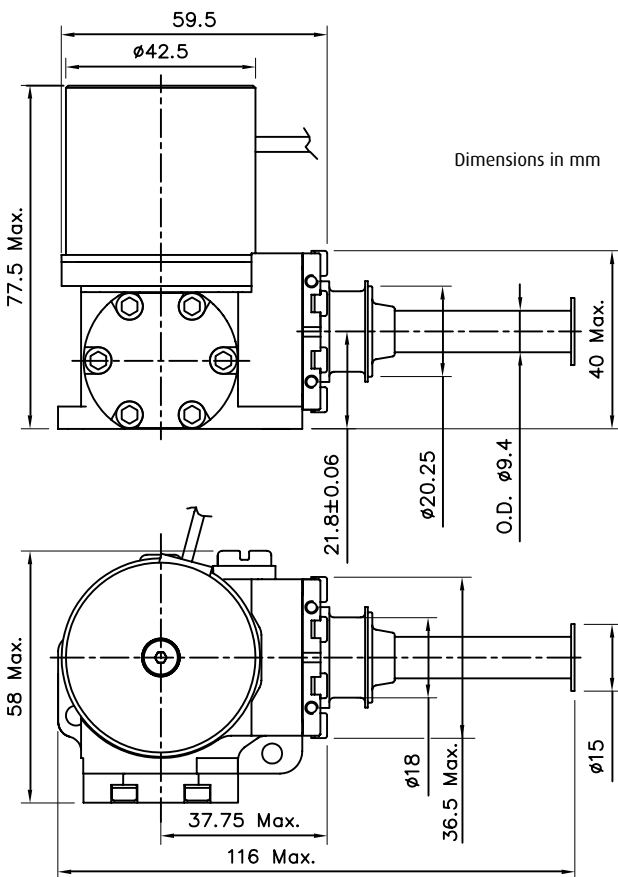


K548

Integral Stirling 3/4W Micro Cooler

Specifications

- Cooler Weight: 600 gr.
- Input Voltage: 18-28 Vdc
- Steady State Input Power (550mW @77K @23°C): 15Wdc Typ.
- Maximum Input Power: 40Wdc
- Ambient Temperature Range:
 - Operational: -40°C...+85°C
 - Non-Operational: -56°C...+85°C
- Cooldown Time (500J @77K @23°C): 5 min. Typ.
- MTF > 12,000 Hours
- Meets Environmental Conditions per MIL-STD-810



RICOR

Cryogenic & Vacuum Systems

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Specifications are subject to changes without prior notice.

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