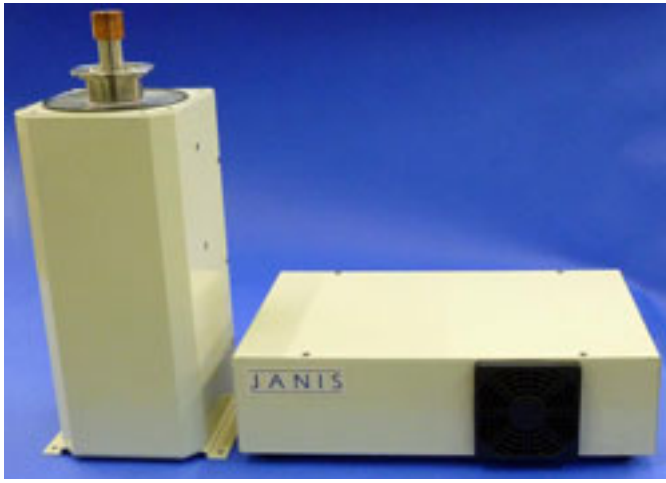


Free Piston Stirling Cryocooler



Janis Research Company has introduced its Janis StirlingCool-10, or SC-10, a free piston Stirling cryocooler (FPSC) with a base temperature of 40 K and cooling power of 10 W at 80 K.

Using only pure helium gas as the refrigerant, this cryocooler is compact, lightweight, and efficient, requiring less than 400 W at full power operation. The cryocooler is also maintenance free, with no high-pressure displacer seals to wear out as in conventional cryocoolers.

The standard StirlingCool-10 is comprised of two components, the cryocooler module and the electronics drive unit. The drive unit is connected to 100 to 240 VAC main input power, and supplies appropriate power to operate the cryocooler. A cryogenic or process temperature controller is used to regulate the cryocooler at the desired temperature.

Janis Research Company, www.janis.com [1]

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<http://www.rdmag.com/product-releases/2013/02/free-piston-stirling-cryocooler>

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[1] <http://www.janis.com/>