CH-160D3 77K CRYOCOOLER SERIES



The CH-160D3 single-stage Gifford-McMahon Cryocooler is SHI's newest and highest-capacity 77K Cryocooler, with a first-stage capacity of 600/725 W @ 77 K (50/60 Hz).

The CH-160D3 is ideal for a number of applications, including liquid nitrogen generation and liquefaction; clean energy technologies; and high temperature superconducting applications such as cables, fault current limiters, wind turbines, ship motors and accelerator magnets.

It is available as a complete system, along with two (2) F-70 indoor, water-cooled helium compressors and all related gas lines and power cables.

Like other cryocooler systems from SHI, the CH-160D3 offers users high quality and proven reliability, along with a global sales, service and support network.

Features

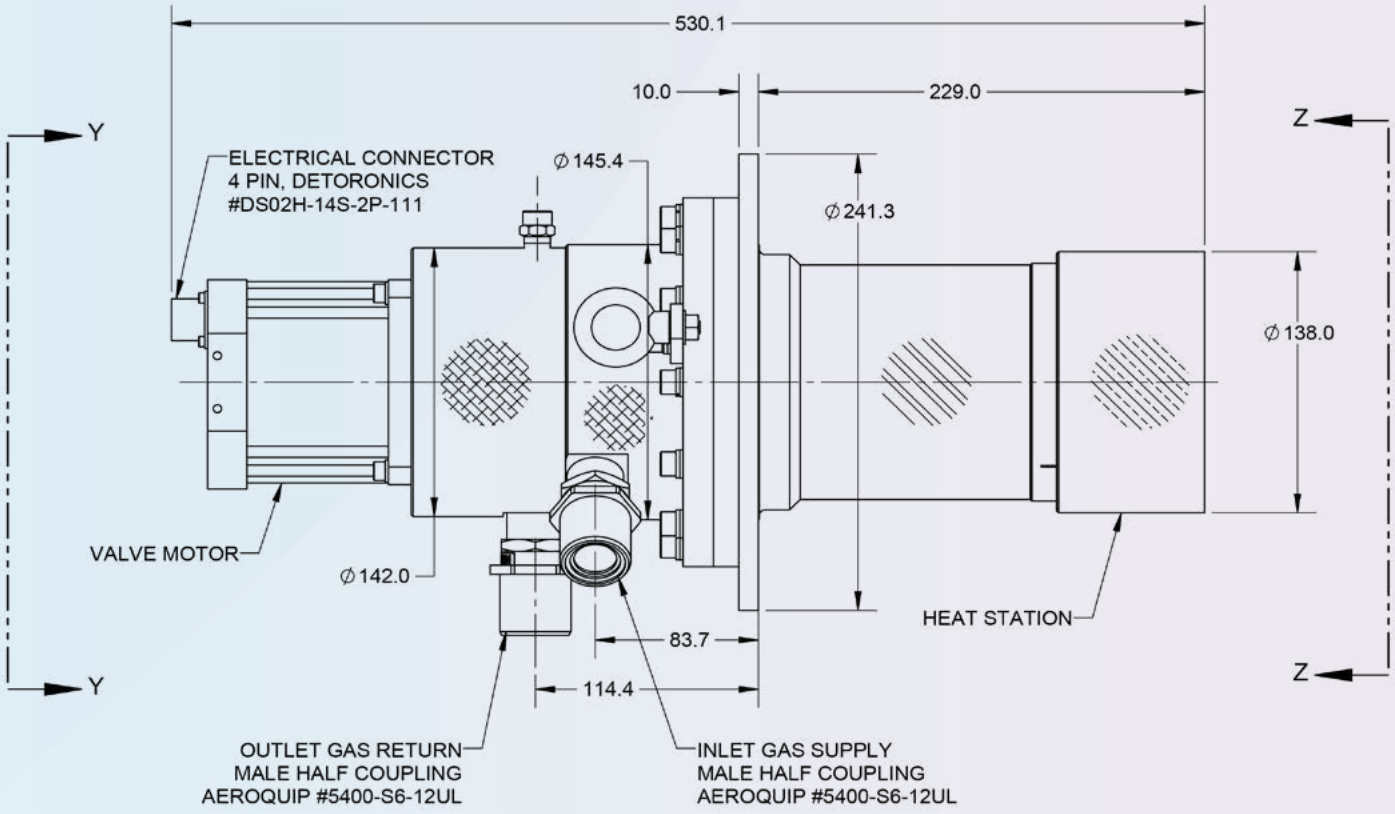
The CH-160D3 combines the best features of SHI's CH and RDK Cryocoolers series, including:

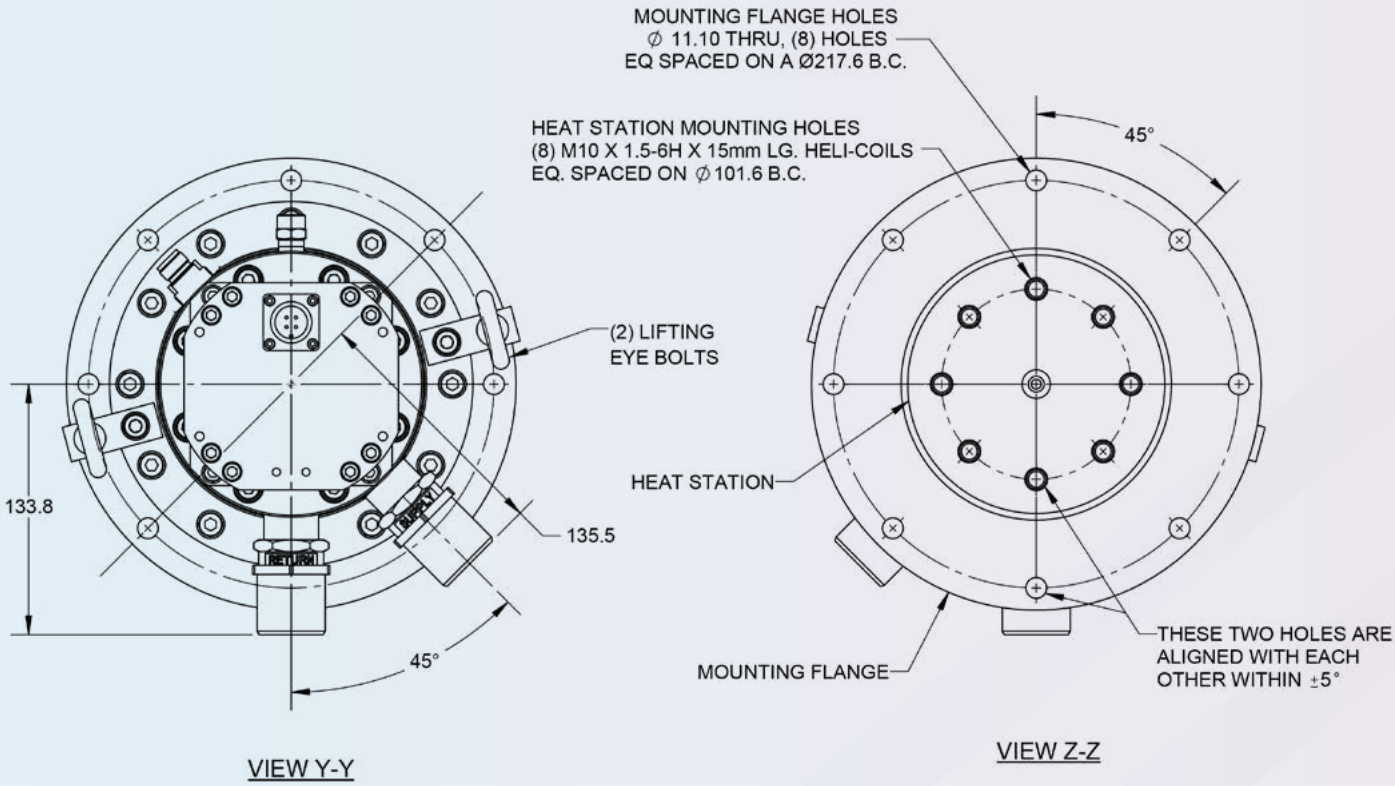
- Displex® pneumatic drive technology to limit the number of wear parts in the refrigerator
- Upgraded Whisper® technology for quieter operation
- Updated gas-balanced valve design to reduce torque as well as wear and tear
- New stem drive design improves efficiency and increases maintenance interval
- Novel heat exchanger designed to increase efficiency
- CE and RoHs compliance

Performance Specifications

Power Supply	50 Hz	60 Hz
1st Stage Capacity	600 W @ 77 K	725 W @ 77 K
Minimum Temperature[1]	<30 K	
Cooldown Time to 77 K[1]	<20 Minutes	
Weight[2]	31.8 kg (70 lbs.)	
Dimensions (HxWxD)	530 x ø241 mm (20.9 x ø9.5 in.)	
Maintenance	13,000 Hours	
Regulatory Compliance	CE, RoHS	

1 Lowest temperature and cooldown time are for reference only.
2 With standard flat warm flange. (Available in other warm flange interfaces.)
Specifications subject to change without notice.





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