



Comprehensive Coldhead Servicing
Solution by ECHO Magnet Services

PHILIPS COLDHEAD SERVICE KIT

COLDHEAD SERVICE KIT

The Philips Coldhead Service Kit is a complete and efficient solution designed specifically for servicing IGC magnets. With advanced features and all necessary tools included, this kit ensures smooth, reliable, and professional coldhead maintenance.



The kit comes with all essential tools, including:

- o Wrenches
- o Heater controller
- o Cables and hoses
- o Regulator
- o Purge and charge tools



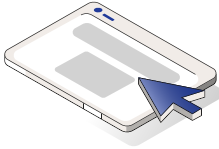
Why Choose the Philips Coldhead Service Kit?

This kit is tailored to meet the specific demands of IGC magnet servicing, offering:

- Ease of use with its intuitive touch screen interface.
- Increased efficiency and safety with its advanced monitoring and control systems.
- Convenience with all necessary tools included in a single, portable package.

Key Features

1



Visual and Audible Alerts

Alerts ensure safe and effective operation throughout the servicing process.

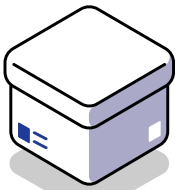
2



uP-Controlled Heater Module with Touch Screen

Includes a 5-inch touch screen interface that allows precise control of set temperatures and real-time visualization of 20K and 80K temperatures.

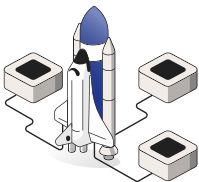
3



Specialized Carrying Case

A durable carrying case ensures all components are safely organized and protected during transport and storage.

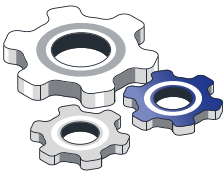
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Advanced uP Controller

Features a PID control algorithm for precise and stable temperature control.

5



Wide Compatibility

Designed for use with 4K and 15K magnets, offering versatile application.

6



Software Updates

Stay up to date with the latest functionalities via ECHO's FTP service.

Kit Includes

○ PART	QTY
● Cable Cryocooler Thermocouple / Heater (Item #38 Alternate Cable)	
● Cable Assy CHHC (Item #4 Standard Cable)	
● Flight Case	1
● Heater Box	1
● Heater Box AC Power Cable	1
● Low Pressure Hose	1
● High Pressure Hose	1
● HP to LP Hose Converter	1
● Pin Punch	1
● Helium Purge Wand	1
● Compressor Re-Charge F40/50/70	1
● Jacking Posts	3 Long 50mm, 3 Short 36mm, D=25mm
● Jacking Screws	3 Thick, 3 Thin
● 5mm T-Handle	1
● Piston Puller	1
● Debris Cover Cold Head Sleeve	1
● Line Wrench 1	1
● Line Wrench 2	1
● 1st Stage Seating Tool	1
● Coldhead Charge Vent Adapters	2
● Inner Slack Piston Seating Tool	1
● 2nd Stage Seating Tool	1
● Valve Stem Alignment Tool	1
● Variable Bonnet/Orifice Wrench	1
● Flex Line Gas Purge Adapter	1
● Helium Gas Regulator 40Bar	1
● Spare Fuse Kit	1
● Copper Pipe	