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MATERIALS MANAGEMENT DIVISION
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Technical Specification

Spares for Integrated Cryogen free

1. Dynacool Cryocooler set includes cold head, rotary valve and two surge tanks. The cold head is a closed loop expansion device, which is used in physical properties measurement research systems. This cold head can be made without moving parts in the low temperature part of the device, making it suitable for a wide variety of applications. cold heads have vibrations on the order of 4-7 microns along the axis of the cold head and ~2 microns perpendicular to the axis of the cold head.

- a) Total weight : 48 lb (21.8 kg)
- b) Expander : 27 lb (12.2 kg)
- c) Remote motor : 12 lb (5.4 kg)
- d) Reservoir volumes : 9 lb (4.1 kg)
- e) Helium static pressure - all components @ 77°F (25°C)
- f) 60 Hz System : 220 ± 5 PSIG ($15.1 \pm .34$ bar)
- g) 50 Hz System : $17.2 \pm .34$ bar (250 ± 5 PSIG)
- h) Maximum sound level
Water cooled system: 70 dBA at 1 meter

2. Charcoal Absorber:

Replacement absorbers for closed cycle gas compressors. This model is compatible with the CP2800. These modules clean the helium gas flow using dehydrated charcoal, glass, wool, and felt. Compatible with Compressor CP2800 Series, Aeroquip couplings fitted, Pre charged pressure 270 psi with UHP (99.999%) Helium.