

규 격 서

(Specification Sheet)

품 명 (Commodity)	국 문	저온유지장치 헬륨 압축기	수 량 : 1 (Q'ty)
	영 문	Cryostation s50 Aircooled Helium Compressor	

가. 용도

1. 샘플의 저온 유지를 위한 헬륨 압축/순환
2. 저온에서 샘플의 광 특성 측정
3. 저온에서 샘플의 전기적 특성 측정

나. Features

- 1) Fully automatic cooldown and warmup
- 2) Control via Windows® and s50 control unit
- 3) Automatic Controlling the Speed of the Compressor and Coldhead of s50
- 4) Variable speed control
- 5) Energy smart
- 6) Long service life
- 7) Reduced vibration
- 8) Remote control operation and monitoring
- 9) Closed-cycle operation means no helium is consumed, so users avoid the high costs, uncertain supply, and challenging operation associated with liquid cryogenes
- 10) Fully compatible with High NA system and Magnet Option

다. Specifications

- 1) Physical Dimensions : 381 x 584 x 635 mm , 104 kg
- 2) Helium Charge : 1.77 to 1.83 MPa at 20 C, static
- 3) Environmental Operational Range : 5 to 30 C, 0 to 95% non condensing, Indoor only
- 4) Power Requirements : 220V, 60 Hz, Single Phase
- 5) Temperature Range : 3.2 K - 350 K
- 6) Temperature Stability : < 10 mK
- 7) Vibrational Stability : < 5 nm(P-P, std system) , < 10 nm (P-P, extended system)
- 8) Cool down time to 4.2K : < 2 Hours
- 9) Cooling Power : 150 mW @ 4.2 K
- 10) Maintenance Interval : 20,000 Hours
- 11) Warranty : 1 year after installation

Remarks : Specification can be changed without notice

다. Remarks (소견)

1. 용도 : 저온유지장치의 closed-cycle 구동을 위한 헬륨 압축기
2. 납품장소 : 원천관 109-3호