

1.0W Pulse Tube

SRP-082B

Description

The global market leader in mechanical cooling, Sumitomo Cryogenics Group (part of Sumitomo heavy Industries) is pleased to introduce a new 1W @ 4.2K cryocooler using Pulse Tube Technology. Designed for long life and low maintenance requirement the cooler offers decreased noise and low vibration without compromising other aspects of performance.

- Complements the industry standard 4K cooler RDK-408D GM providing similar cooling power and size
- Easy to retrofit from SHI GM technology to SRP-082B Pulse Tube
- Driven by the highly efficient new F-70 compressor platform with unique Freedom® Technology of oil management and helium flow to correctly match the compressor to the Pulse Tube.
- Only SHI cryogenics group has both the cold head and compressor technology fully designed for Pulse Tube.
- Applicable in high heat load applications and continuous operation



Specifications

Model & Regulatory

SRP-082-F70

Cooling Capacity

1st Stage 40W at 45K (50/60Hz)

2nd Stage 1.0W at 4.2K (50/60Hz)

Lowest Temperature

<3.0K

Cooldown Time

<70 minutes

Electrical Requirement

The SRP-082 is powered by a water cooled compressor

AC 380, 415V (50Hz)

AC 480V (60Hz)

Power Consumption

Steady: 7.8kW/8.9kW (50/60Hz)

Cooldown: 8.2kW/9.5kW (50/60Hz)

Orientation

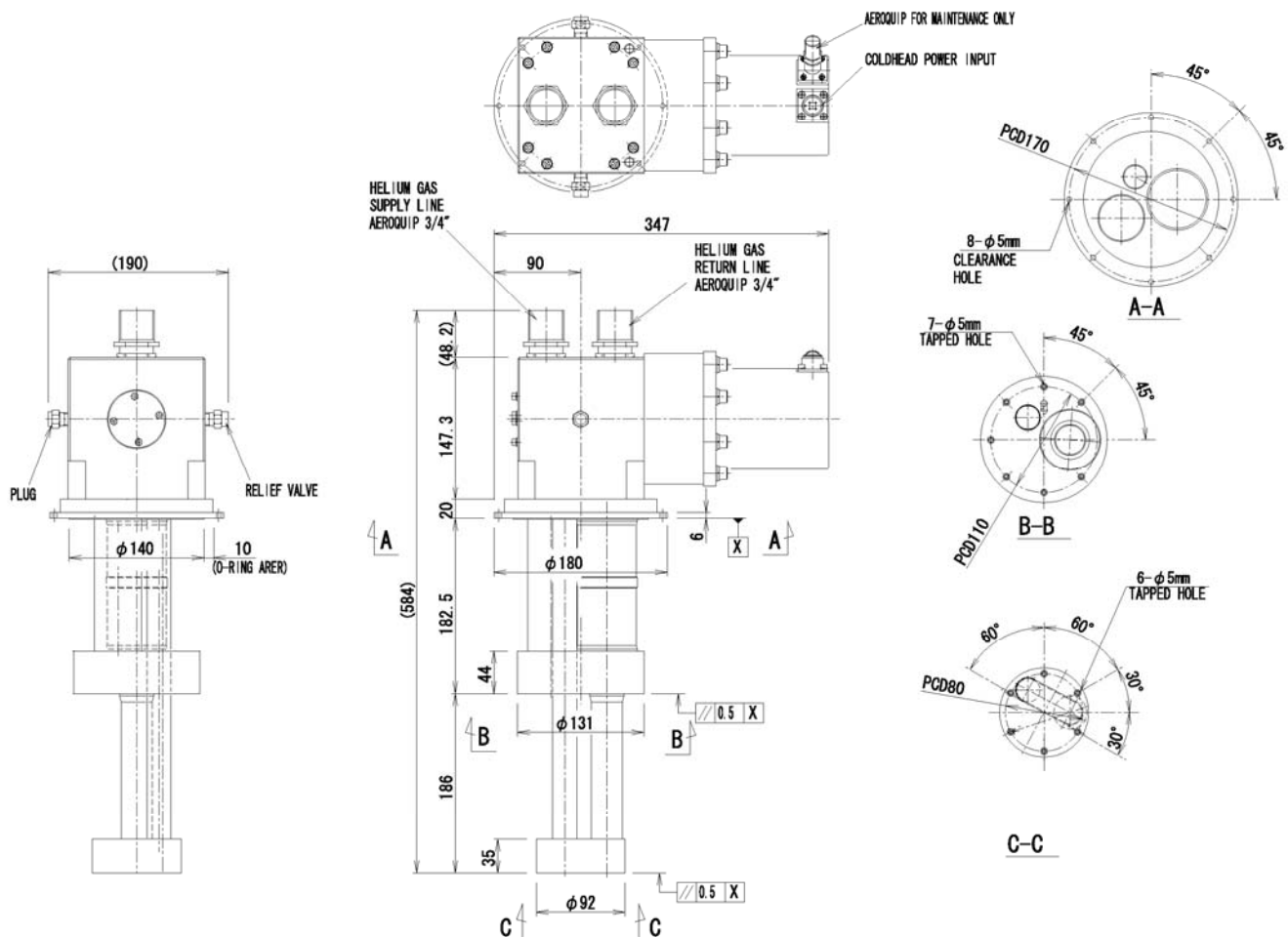
Vertical only

Flexline Length

20A x 20m

Dimensions & Weight

Coldhead 584H x 190W x 180L (mm), 25.7kg



For Information in Japan:

Sumitomo Heavy Industries, Ltd.

Think Park Tower1-1, Osaki 2-chome,
Shinagawa-ku Tokyo 141-6025
Japan

Phone: 81 (0)3 6737 2550
Fax: 81 (0)3 6866 5114
Email: cryo@shi.co.jp

Europe:

**Sumitomo (SHI) Cryogenics
Europe GmbH**

Daimlerweg 5a
Darmstadt, D-64293
Germany

Phone: 49 (0) 6151 860 610
Fax: 49 (0) 6151 800 252
Email: cryoeurope@cryo-e.de

**Sumitomo (SHI) Cryogenics
Europe Ltd**

3 Hamilton Close
Houndmills Industrial Estate
Basingstoke Hampshire, RG21 6YT,
England

Phone: 44 (0) 1256 853333
Fax: 44 (0) 1256 471 507
Email: marketing@shicryogenics.com

United States:

Sumitomo (SHI) Cryogenics

of America Inc
1833 Vultee Street
Allentown, PA 18103
Phone: 610-791-6700
Fax: 610-791-0440

Sumitomo (SHI) Cryogenics.

of America Inc
456 Oakmead Parkway
Sunnyvale, CA 94085
Phone: 408-736-4406
Fax: 408-736-7325

World Wide Web:

Visit our site on the internet at:
www.shicryogenics.com