

# RE: PT415 CAD Model

Stacy Gearsbeck <[sgearsbeck@cryomech.com](mailto:sgearsbeck@cryomech.com)> on behalf of  
CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>

Wed 10/3/2018 1:33 PM

4th year research

To: CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>; Nikolay Nikolaev Videnov <[nnvidenov@edu.uwaterloo.ca](mailto:nnvidenov@edu.uwaterloo.ca)>;

Cc: CryoSales <[CryoSales@cryomech.com](mailto:CryoSales@cryomech.com)>;

 1 attachments (182 KB)

BA65-13.pdf;

Hi Nik,

Please see the attached drawing. This has the recommended O-ring size on it and can be used for mating the design feature.

Please let us know if you require anything further.

Have a great day!

Best regards,

Stacy Gearsbeck  
**CRYOMECH**

Sales / Customer Service Representative  
Cryomech Inc.

[113 Falso Drive](#)

[Syracuse NY, 13211](#)

[Tel: 315.455.2555 ext 252](#)

[Fax: 315. 455.2544](#)

[Email: sgearsbeck@cryomech.com](mailto:sgearsbeck@cryomech.com)

[Web: www.cryomech.com](http://www.cryomech.com)

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**From:** Stacy Gearsbeck **On Behalf Of** CryoSales

**Sent:** Wednesday, October 03, 2018 11:43 AM

**To:** 'Nikolay Nikolaev Videnov' <[nnvidenov@edu.uwaterloo.ca](mailto:nnvidenov@edu.uwaterloo.ca)>; CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>

**Cc:** CryoSales <[CryoSales@cryomech.com](mailto:CryoSales@cryomech.com)>

**Subject:** RE: PT415 CAD Model

Hello Nik,

We are looking into this for you and will be in touch once our engineers can provide a recommended pattern for you.

Please feel free to ask any questions you may have.

Best regards,

Stacy Gearsbeck  
**CRYOMECH**

Sales / Customer Service Representative

Cryomech Inc.

[113 Falso Drive](#)

[Syracuse NY, 13211](#)

Tel: 315.455.2555 ext 252

Fax: 315. 455.2544

Email: [sgearsbeck@cryomech.com](mailto:sgearsbeck@cryomech.com)

Web: [www.cryomech.com](http://www.cryomech.com)

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**From:** Nikolay Nikolaev Videnov <[nnvidenov@edu.uwaterloo.ca](mailto:nnvidenov@edu.uwaterloo.ca)>

**Sent:** Monday, October 01, 2018 3:18 PM

**To:** CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>

**Cc:** CryoSales <[CryoSales@cryomech.com](mailto:CryoSales@cryomech.com)>

**Subject:** Re: PT415 CAD Model

Hi Kathy,

Thanks for the stp model. I was wondering is there a recommended "land pattern" for the PT415? Specifically the recommended O-ring size and placement?

Thanks again,

Nik

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**From:** Katherine Applebee <[kapplebee@cryomech.com](mailto:kapplebee@cryomech.com)> on behalf of CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>

**Sent:** Thursday, August 9, 2018 9:50:23 AM

**To:** Nikolay Nikolaev Videnov

**Cc:** CryoSales

**Subject:** RE: PT415 CAD Model

Hi Nik,

Thank you for the information. Attached for your review is a model of our standard PT415 cold head. Please feel free to contact me with any additional questions.

Best regards,  
Kathy

Katherine Applebee  
Sales/Customer Service Representative

Cryomech, Inc.  
113 Falso Drive  
Syracuse, NY 13211  
Tel: 315-455-2555 Ext. 219  
Fax: 315-455-2544  
Email: [kapplebee@cryomech.com](mailto:kapplebee@cryomech.com)  
Web: [www.cryomech.com](http://www.cryomech.com)

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**From:** Nikolay Nikolaev Videnov <[nnvidenov@edu.uwaterloo.ca](mailto:nnvidenov@edu.uwaterloo.ca)>  
**Sent:** Wednesday, August 8, 2018 7:02 PM  
**To:** CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>  
**Cc:** CryoSales <[CryoSales@cryomech.com](mailto:CryoSales@cryomech.com)>  
**Subject:** Re: PT415 CAD Model

Hi Kathy,

The equipment in question is currently in the University of Waterloo, Canada and we have no intention of ever taking the equipment outside of Canada. The end use is for conducting research on solid state physics by making a cryostat using the PT415.

Thanks,

Nik

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**From:** Katherine Applebee <[kapplebee@cryomech.com](mailto:kapplebee@cryomech.com)> on behalf of CryoSales <[csr@cryomech.onmicrosoft.com](mailto:csr@cryomech.onmicrosoft.com)>  
**Sent:** Tuesday, August 7, 2018 3:39:13 PM  
**To:** Nikolay Nikolaev Videnov  
**Cc:** CryoSales  
**Subject:** RE: PT415 CAD Model

Hi Nikolay,

Thank you for your interest in Cryomech's products. To ensure we're complying with the US Government export control regulations, we need to verify the country of operation and end use application, as well as complete a restricted/prohibited party screening. Can you please provide the application information and confirm that this equipment will operate at your facility in Canada?

Best regards,  
Kathy

Katherine Applebee  
Sales/Customer Service Representative

Cryomech, Inc.  
113 Falso Drive  
Syracuse, NY 13211  
Tel: 315-455-2555 Ext. 219  
Fax: 315-455-2544  
Email: [kapplebee@cryomech.com](mailto:kapplebee@cryomech.com)  
Web: [www.cryomech.com](http://www.cryomech.com)

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**From:** Nikolay Nikolaev Videnov <[nnvidenov@edu.uwaterloo.ca](mailto:nnvidenov@edu.uwaterloo.ca)>  
**Sent:** Monday, August 6, 2018 9:50 PM  
**To:** CryoSales <[CryoSales@cryomech.com](mailto:CryoSales@cryomech.com)>  
**Subject:** PT415 CAD Model

Hi,

I am a researcher at the University of Waterloo, working in the physics department. Our research group is currently designing a cryostat using your PT415 pulse tube refrigerator. Looking at the drawing sheet for the PT415 it's clear that the drawing is rendered in a CAD software. I was hoping that you could provide us with a CAD file for the PT415 so that we can make sure everything in our design would fit well together before we get down to machining parts? Let me know if you can provide this service for us!

Thank you,

Nikolay Videnov  
University of Waterloo IQC  
(519) 888-4567 x 30172