



## Tech Tips

(March 2017)



**PrincetonCryo.com**  
Cryogenic Delivery and Storage Systems

## Helpful Hints/FAQ's

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### Freezer Hinge Part Numbers

**Q:** I have an open top freezer and I need to replace the lid hinges. What part number should I use?

**A:** The part number will depend on your freezer and which type of lid hinge you currently are using. In early 2000, Chart upgraded to a newer style hinge. The new hinge attaches to the freezer differently than the old style.

**Q:** How can I tell which type of hinge I am using?

**A:** Please see the below photos and take note of the screw locations.



Old Hinge Style

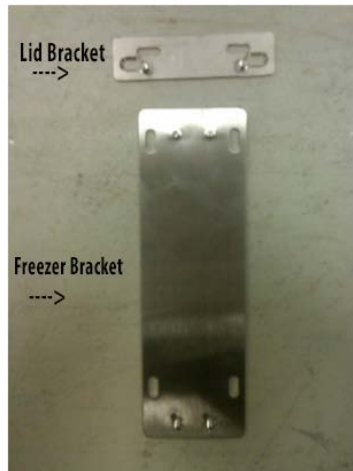


New Hinge Style

Notice the old hinge style has a flange with the screws located outside of the body of the hinge. The screws on the new hinge style were moved inside the body of the hinge. The screws are also in different locations in respect to where the hinge attaches to the lid.

**Q:** What if I want to replace the old style lid hinge?

A: The old lid hinge is obsolete. Chart sells a hinge retrofit kit that allows the freezer to attach to the new style hinge. This kit includes one bracket that attaches to the freezer and one bracket that attaches to the lid. The kit also includes the necessary nuts and screws, as well as the instructions. Please see the below photo for more details.



Retrofit Brackets PN 11087666

Q: Which parts should I order to replace my lid hinge?

A: If you have the new style of hinge on your freezer you will simply need to order the hinge for that freezer.

If you have the older style hinge you will need to purchase the hinge for your freezer as well as the retrofit kit. Please see the below table for part numbers.

Description	Hinge Part Number
Retrofit Kit	11087666
MVE 510	10842113
MVE 1426/616/616C/1223	11008366
MVE 1426C	11929579
1800 series (open top)	11933551



Black Hinge  
PN 11929579,  
10842113, and  
11008366



Stainless Steel  
Hinge  
PN 11933551



Retrofit Kit  
PN 11087666



Stainless Steel  
Hinge with  
Retrofit Kit

## Inline Filters

**Q:** Do the HEco Series and HE Series use the same filters?

**A:** No, the HE Series uses 40 micron bronze filter, while the HEco Series uses a bronze wye strainer with a mesh screen inside.

**HE Filter:**



**HEco Strainer:**



**Q:** Does the HEco wye need to be replaced annually?

**A:** The HEco wye strainer can be cleaned annually and does not require replacement; however, we recommend that you inspect the strainer thoroughly and replace it if it shows signs of being clogged or very dirty.



# Accessories

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## Transfer Hose for Manual Discharge Device

As an alternative to the standard rigid spout on the manual discharge device, Chart offers a flexible, stainless steel transfer hose with either a small or large phase separator. The hose is 2 feet long with ¼ inch diameter threads.



Transfer Hose for Discharge Device



Size	Part Number
Small	14044143
Large	14044151

Chart/MVE roller bases are available for the aluminum tanks:

- PN 10937391 14"ID 20 L units, Tech 35, Tech 50, SC 22/5
- PN 10937403 18.2"ID Lab 30, Lab 50, SC33/26, XC 34/18, MVE 230
- PN 10937411 20"ID XC47/11, MVE 450
- PN 10937420 22"ID XLC 360 HE, MVE 510, Cryo2000, Cryo4000
- PN 10937438 26.2"ID Cryo6000

