

DATE: February 1, 2013

MODELS: Liberator Reservoirs with Cryo2 or Penox Top-Fill QDVs

ISSUE: QDV Extension Change

NOTES: The manifold design of all Liberator models was changed effective July 1st, 2012. This change was outlined in Service Bulletin #20583567 released in the June 2012 edition of Med Tips.

The connection from the manifold to top-fill QDV's was changed from a Posi-Lock connection to a 5/8-inch compression fitting connection. All top-fill Liberator tanks produced after July 2012 contain the compression fitting connection on the manifold. This manifold design change is illustrated in Figure 1 below.



Figure 1 - - Liberator Manifold Design Change

Liberator reservoirs that contain Penox or Cryo2 top fill QDV's utilize an extension piece between the manifold and the QDV. This component raises the height of the QDV to allow for proper filling. The location and attachment of the extension is shown in Figure 2.

Please note that this extension is only used on Liberator reservoirs that contain Penox or Cryo2 top-fill QDV's. This below information does not apply to other top-fill units (including the standard blue CAIRE top-fill QDV) or side fill units.

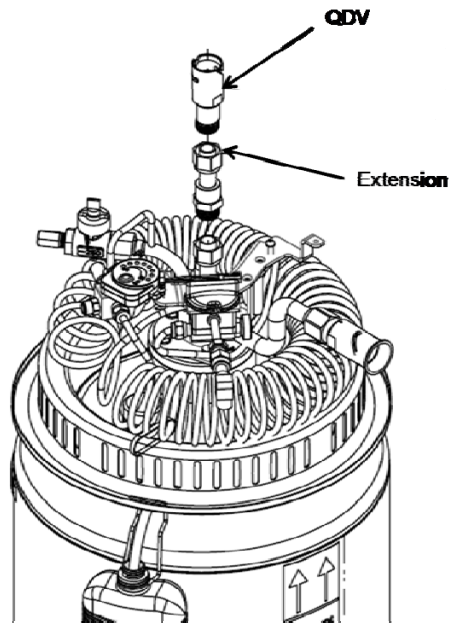


Figure 2 - - QDV Extension Installation

A new extension that contains compression fittings on both ends is now being used on all new Liberators with the current QDV's.

The previous style extension with Posi-Lock connections on both ends will still be available as a service part for units produced before July 2012. Figure 3 below is a comparison of the two available extension pieces.

#15101277
(Current Manifolds)



#10768558
(Previous Manifolds)



Figure 3 - - QDV Extension Comparison

It will be important to note the style of manifold currently on a Liberator if the QDV extension is ordered as a replacement service part. Use Table 1 below as a guideline for ordering the extension.

Table 1 - - QDV Extension Part Numbers

| Manifold QDV Connection | Extension Part Number |
|--------------------------------|-----------------------|
| Posi-Lock (Previous) | 10768558 |
| 5/8-inch Compression (Current) | 15101277 |

As mentioned in the July 2012 service bulletin (#20583567), manifolds with the Posi-Lock connection are no longer available as service parts. If a replacement manifold is ordered for a tank produced before July 2012, it will also be necessary to order the compression fitting extension (#15101277) along with a new QDV. Part numbers for service manifolds and QDV's are given in the previous service bulletin.

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