



Distribution & Storage

Technical Service Bulletin

Component Change

TSB-Z01-011

Date: 4/15/13

Subject: Liquid Level Gauge Transition / Sight Gauge to Roto-Tel design

Purpose: Transition from the sight gauge liquid level to the new Roto-Tel gauge design on the low pressure (LP) 180 and 230 liter Chart liquid cylinder models. The medium pressure (MP), high pressure (HP), and very high pressure (VHP) models were transitioned to the Roto-Tel back in February 2012.

Description:

The purpose of this document is to inform our Dura-Cyl liquid cylinder customers about a liquid level gauge change to our 180 and 230 liter low pressure (LP) models. The transition occurred on 4/15/13. For decades, MVE and Chart supplied our LP models with the sight gauge liquid level design. (see Fig. 1 below) Back in February 2012, the Roto-Cal liquid level system, which was used for our MP, HP, and VHP models, was replaced with the significantly improved Roto-Tel design. (see Fig 2) In the spirit of continuous improvement and design consolidation, this change has now been applied to our 180 and 230 liter LP models as well.

Chart Parts will continue to offer replacement parts for the sight gauge design for the foreseeable future. However, if an entire sight gauge float assembly needs to be replaced, we recommend that you transition to the comparable Roto-Tel assembly which is sold by Chart Parts. If you have questions regarding this change, please contact Chart Customer Service at 800-400-4683. Thank you for choosing Chart products!



Figure 1 - The left view shows the yellow protector used for the Sight Gauge liquid level system. The right view is the actual sight gauge. The protector slips over the top of the sight gauge and is bolted to the plumbing manifold.

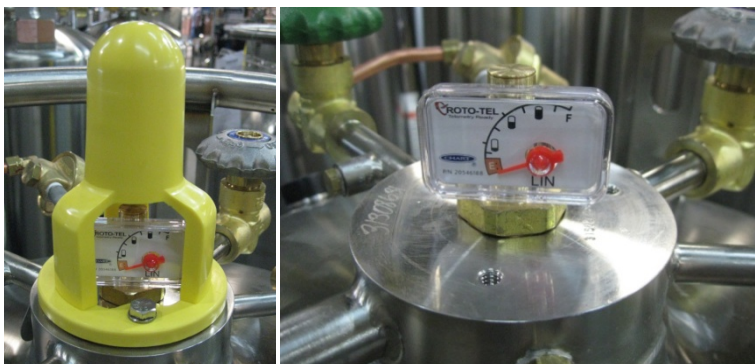


Figure 2 - The left view shows the yellow protector used for the Roto-Tel liquid level system. The right view is the actual Roto-Tel gauge, which is snapped onto the plug that is threaded into the plumbing manifold. Again, the protector slips over the top of the Roto-Tel gauge and is bolted to the plumbing manifold.