



MVE Beverage Systems

Technical Service Bulletin

Component Change

Date:

October 7, 2002

Subject:

Roto Cal Assembly (Contents Gauge)

Products Affected:

All MVE CO₂ Storage Vessels

Description:

The “Roto-Cal” assembly measures and displays the approximate level of liquid in MVE CO₂ storage vessels. The assembly consists of three basic components; a float rod, knuckle plug, and gauge.

A new and more ‘service friendly’ knuckle plug and gauge became standard in the production of liquid CO₂ storage vessels during the first quarter of 2002. The new hex-head knuckle plug is convenient for wrench access if necessary whereas the old plug has only two wrench flats. Additionally, the stem of the new knuckle plug is longer to increase travel distance for the float rod magnet, thereby improving measurement accuracy. As a consequence of changing the length of the plug stem the style of Roto-Cal (snap on) gauge has also changed.

Specifications:

The new Roto-Cal sight gauge assemblies fit older vessels; so the part numbers for site gauge assemblies have not changed.

NOTE: A ‘new style’ sight gauge must be used with the new sight gauge assembly.

The part number for the new style gauge for the ‘hex-head’ knuckle plug sight gauge assembly is 10591369.

The part number for the new 3/4” knuckle plug only (standard on all new vessels) has not changed and is 5411612.

The part number for the new 7/8” knuckle plug only is 10591511. It replaces P/N 5410992.

The part number for a replacement gauge for the old ‘two-flat’ knuckle plug sight gauge assembly is 10591422.

Chart’s attention to parts consolidation and continuous product improvement has resulted in this component change. If you have concerns or questions relative to this modification, please contact your Chart Technical Service Representative at 800-253-1769 or 952-882-5000. Thank you for continuing to depend on Chart for providing high product quality and service.



New Gauge P/N 10591369
(for Hex-Head Knuckle Plug)



Old Gauge P/N 10591422
(for ‘two flat’ Knuckle Plug)



New Hex-Head Knuckle Plug