

Design Change Notification

Date: July 14, 2022

Document #: DCN-144 Dura / Euro-Cyl liquid cylinder liquid level gauge change

Subject: The purpose of this DCN is to notify our customers that we are replacing the current mechanical Roto-Tel liquid level float assemblies with the new Rotarex Gen II digital C-Stic starting approximately 9/1.

Background: Due to ongoing changes in technology, a growing number of liquid cylinder customers have started requesting digital display technology and telemetry capabilities. This offering has both of those features and a display accuracy of +/- 1%. The new Gen II C-Stic uses capacitance technology which has a proven track record in this application.

Special Note: The C-Stic requires a fast and simple first fill calibration to establish the 100% full level. Scan the QRL code on the tag or sticker attached to the display and follow the instructions. Cylinders should be filled to the normal fill levels for each of the gas services.

Products Affected: All Dura-Cyl & Euro-Cyl liquid cylinder models

Chart Parts Note: Chart Parts will continue to stock the Roto-Cal and Roto-Tel gauges in support of cylinders built prior to this change, but if a float assembly needs to be changed, the new Gen II C-Stic will be the required replacement.

Contact: If you have questions about this change, please contact Chart Customer Service at (800) 400-4683. Thank you for depending on Chart to provide high product quality and service.

Current Roto-Tel Design



Mechanical float rod design
with an analog display
Accuracy +/- 5%

New Rotarex Gen II C-Stic



Components	Rotating Display
Material	PA 6.6 Black
Display	3-digit red LED (in % full)
Power	Coin-battery 3V (CR2032) External 5V (JWPF)
Connections	M35x1 Aluminium nut to Sensor head
Communication	- JWPF Outlet Connector - 0.5-4.5V @ 5V - Reading on demand / On-Site full calibration