



Packaged Gas Division

Technical Service Bulletin

**Change in standard analog gauges
from Orange Research to Wika**

TSB-PKG-1001

Date: 7/6/2015

Subject: To introduce the new standard for analog liquid level gauges from Orange Research to Wika.

Products Affected: All Chart Perma-Cyl[®] MicroBulk Storage System Models. Change is only for those customers that request an analog liquid level gauge in lieu of or in addition to the Cyl-Tel[®] Liquid Level Gauge Gen 4.

Description: In an effort to improve both the quality and accuracy of the analog liquid level gauges that are often specified on Chart Perma-Cyl tanks, a change is in process. Chart is pleased to introduce the new Wika analog liquid level gauges. The initial roll out will take place over the next few months. The initial Wika gauges will have a black fiberglass case and bezel and later be replaced with a stainless steel bezel.

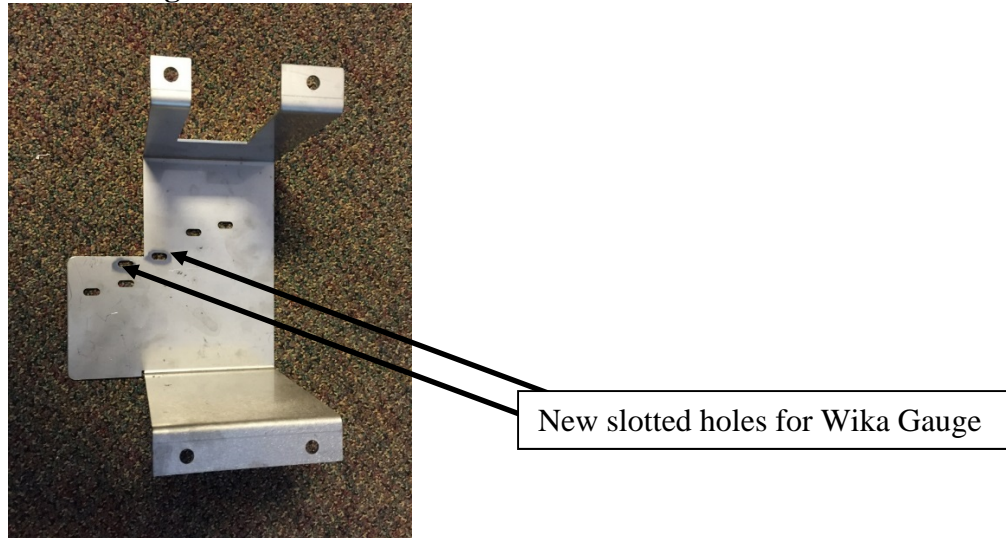
The new Wika gauge has the same mounting configuration as the Orange Research Gauge. Since the Wika gauge is larger than the Orange Research gauge, a slight modification has to be made to the mounting bracket by drilling additional holes in it (see figure 1). Modified brackets will be sent out with replacement Wika gauges when required.



Current Orange Research LL Gauge

New WIKA LL Gauge

Figure 1



New Gauge Bracket for Wika Gauge (p/n 11681340)

New Part Numbers: The new part numbers for the WIKA Liquid Level gauges are as follows:

Chart Part Number	Description	WIKA Part Number
11681340	New Wika Bracket	N/A
20909591	DIFF PG 4.5" 0-60" CO2	52719989
20909592	DIFF PG 4.5" 0-80" CO2	52718758
20909590	DIFF PG 4.5" 0-100" CO2	52718757
20923160	DIFF PG 4.5" 0-60" VITON	52721122
20923161	DIFF PG 4.5" 0-80" VITON	52721120
20923162	DIFF PG 4.5" 0-100" VITON	52721099
20909588	DIFF PG 4.5" 0-150 VITON	52721125

Dates of Implementation: Wika gauges will start to be phased in on new tanks from July 15-31, 2015. All tanks that are ordered with an analog gauge should be converted over to Wika by August 1, 2015.

Contact: Chart's continuous attention to product improvement and customer satisfaction has resulted in this design modification. Please contact your Chart Customer Service Representative at (800) 400-4683 to request replacement gauges or if you have concerns or questions relative to this action. Thank you for depending on Chart to provide high product quality and service.