

Design Change Notification

Date: February 8, 2019

Document #: DCN-117 – PC 5500 MP and VHP Gen 3 Design Changes

Subject: Design changes are being made to both the Perma-Cyl 5500 MP and Perma-Cyl 5500 VHP models. New Gen 3 design is scheduled to be implemented by April of this year.

Background: Chart has received customer feedback on a number of different issues regarding the operation and maintenance of the PC 5500 currently manufactured in New Prague, MN. In addition, other changes have been recommended by manufacturing to increase the efficiency in both building and plumbing the bottle. Several items have already changed over the course of the year, such as the routing of the high phase line to the outside of the tank and the addition of a ½ inch bottom liquid withdrawal port on the VHP tanks. The new Generation 3 Perma-Cyl will incorporate these design changes in addition to many more.

Products Affected: Perma-Cyl models to include the 5500 MP, 5500 MP VJ, and 5500 VHP.

Description: Key Design Changes include the following:

- 1 inch Rego Fill Manifold similar to the ½ inch manifold currently used on the smaller flex fill style Perma-Cyls.
- 1 inch top and bottom fill lines from the manifold to the knuckle.
- Standard 1 ½ inch bulk fill connector with optional MicroBulk pressure cap adapter.
- Larger two piece knuckle with 1 inch bore to accommodate larger fill lines and safety relief line.
- Herose diverter valve with Herose primary relief valves.
- Optional one piece hang on process vaporizer*
- ½ inch bottom liquid withdrawal port (tee for aux. liquid supply in PB circuit will be removed)*
- High phase line is run externally from the bottom on the front of the tank*
- New modular plumbing on PB and process plumbing circuits with ½ inch extended stem bolted bonnet style Rego valves.

*Changes have already been instituted on current models.

Contact: If you have questions or concerns relative to this action, please contact your Chart Customer Service Representative at (800) 400-4683. Thank you for depending on Chart to provide high quality products and service.