

Design Change Notification

Date: October 24, 2019

Document #: DCN-124 Obsolescence of the MP, HP, and VHP MCR style liquid cylinder models

Subject: In the spirit of improving liquid cylinder model availability, offering our customers state of the art technology, and best pricing, we will only offer the LCCM regulator versions of our liquid cylinder models starting around 1/1/2020. This will be a running change. As we sell out of the MCR regulator models, our Customer Service Group will facilitate the change to the LCCM versions. **The prices of the premium LCCM models will be decreased to the current prices of the MCR versions so there will be no price increase associated with this change.**

Background: Chart has traditionally offered the two regulator styles (MCR and LCCM), with the LCCM version being the premium offering. Both regulators operate and perform exactly the same, but the LCCM regulator is easier to remove and install. Thus, the maintenance cost is lower over time. Also, there are fewer potential leak points and fewer replacement parts to stock for repairs.

Products Affected: **MCR Models Being Obsoleted**

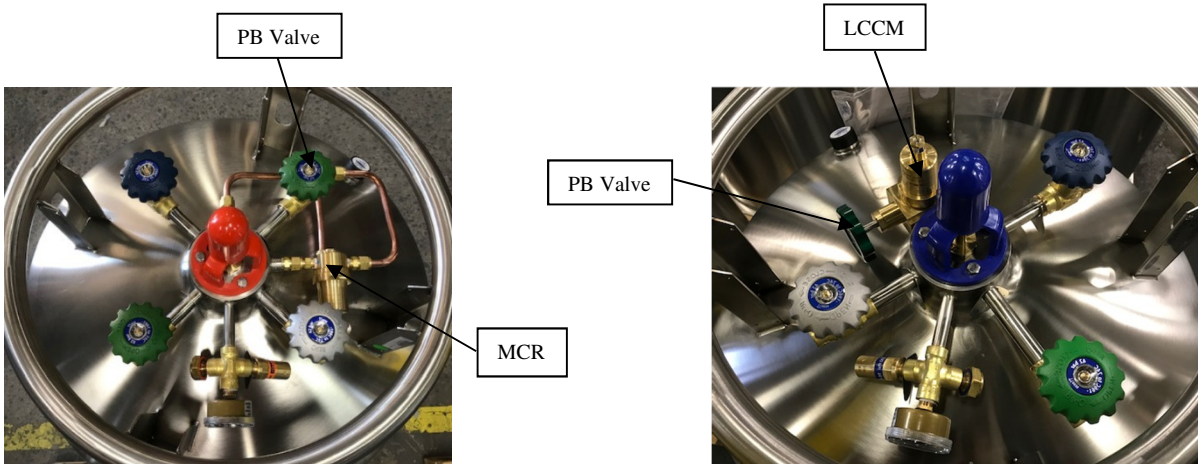
P/N 10783491	Dura-Cyl 180MP MCR
P/N 10783598	Dura-Cyl 200MP MCR
P/N 10783635	Dura-Cyl 230MP RB MCR
P/N 10810779	Dura-Cyl 230MP SB MCR
P/N 10783539	Dura-Cyl 180HP MCR
P/N 10783619	Dura-Cyl 200HP MCR
P/N 10783651	Dura-Cyl 230HP RB MCR
P/N 10794027	Dura-Cyl 230HP SB MCR
P/N 10840169	Dura-Cyl 265HP SB MCR
P/N 10619771	Laser-Cyl 200VHP MCR

LCCM Models that Replace Them (other than the last one, these have been available for many years)

P/N 10508764	Dura-Cyl 180MP LCCM
P/N 10508772	Dura-Cyl 200MP LCCM
P/N 10602822	Dura-Cyl 230MP RB LCCM
P/N 10496468	Dura-Cyl 230MP SB LCCM
P/N 10496433	Dura-Cyl 180HP LCCM
P/N 10496417	Dura-Cyl 200HP LCCM
P/N 10616546	Dura-Cyl 230HP RB LCCM
P/N 10496492	Dura-Cyl 230HP SB LCCM
P/N 10512561	Dura-Cyl 265HP SB LCCM
P/N 21437026	Laser-Cyl 200VHP LCCM

Also available P/N 10510039 Dura-Cyl 265MP SB LCCM

Description: Following are pictures of both the MCR and LCCM plumbing configurations. Note that the LCCM version requires no copper tubing or associated plumbing components, so the design is much cleaner. Also note that with the MCR configuration there is a separate Rego pressure building (PB) valve. For the LCCM regulator, the PB valve is built into the side of the regulator body.



MCR Style Regulator

LCCM Style Regulator

Chart Parts Note: Chart Parts will continue to stock the Generant MCR style regulators for repairs of your existing liquid cylinder fleet existing as follows:

REGULATOR MCR-MP 125PSI BLUE	P/N 20821672
REGULATOR MCR-HP 300PSI ORANGE	P/N 20821673
REGULATOR MCR-VHP 450PSI RED	P/N 20821674

These regulators will also replace the older style Pentair style regulators that we used on our liquid cylinders for decades.

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 product quality and service.