

Design Change Notification

Date: January 3, 2019

Document #: DCN-116 - Air actuated ball valve to Magnatrol valve change.

Subject: Effective early January 2019, the product listed below that currently uses the Habonim air actuated ball valves will be changed to the 600 PSI MAWP stainless steel solenoid valves manufactured by Magnatrol.

Background: When the 600 PSI MAWP Trifecta® Gas Supply System was first developed, the 600 psig Magnatrol solenoid valves proved to be very unreliable and unable to meet the quality standards required for proper performance in the field. Since that time, Magnatrol has modified the design and their new 600 PSI MAWP stainless steel solenoid valves have performed flawlessly during testing in the lab and at several customer field trial locations. Although this change is not mandatory, nor is it due to any safety or quality issues, the change enables a closer standardization of design between the 500 psig Trifecta and the 600 psig Trifecta. In addition, the new solenoids will eliminate the need for a pneumatic supply source and reduce the number of leak points in the current system.

Products Affected: ALL 600 PSI MAWP TRIFECTA MODELS P/N 20900990, 20679790, & 20538037.

Description:

Pneumatic Actuated Ball Valve parts that will be eliminated:

P/N	QTY	Description
20866318	5	Valve Ball SS ½ inch NPT Habonim w/ Max Air Actuator
14296295	5	Valve Solenoid ¼ in NPT Parker 120 VAC



Air actuated ball valves

New 600 psig Solenoid Valves that will be added:

P/N	QTY	Description
21331409	3	VENT VALVE SOLENOID ½”FPT 120V SS
21334119	2	PRESSURE BUILDING VALVE SOLENOID 1”FPT 120V SS
10821110	2	BUSHING HEX BRS 1MPTX1/2FPT

Rebuild parts required for new 600 psig SS solenoid valves

P/N	QTY	Description
21360544	1	Piston – ½ inch solenoid valve
10963100	1	Gasket – ½ inch solenoid valve
10963071	1	Coil – ½ inch solenoid valve
21360543	1	MANUAL OVERRIDE ASSEMBLY 1/2”
21360542	1	Piston – 1 inch solenoid valve
20571792	1	Gasket – 1 inch solenoid valve
21360541	1	Coil – 1 inch solenoid valve
21360540	1	MANUAL OVERRIDE ASSEMBLY 1”



600 solenoid valves

*In the event that customers would like to convert an existing 600 psig unit that is already in the field, kit part number 21360639 can be ordered.

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.