Design Change Notification

Date: July 19, 2018

Document #: DCN-114-Pressure Build Regulator Model Change

Subject: Pressure Build Regulator Change from Cash Acme to Rego

Effective beginning in September 2018, the below listed products that currently use the A-401 regulator manufactured by Cash Acme will be changed to the PB

504 regulator manufactured by Rego.

Background: The A 401 PB regulator manufactured by Cash Acme has been used successfully

on Chart products for many years. Due to several factors that include supply chain

issues and overall technical service, Chart has made the decision to make a

change in the supplier for this regulator. Testing has proven that the Rego PB 504 regulator meets all the performance specifications for the products it will be used

on.

Products Affected: All Standard Perma-Cyl models with external PB coils, 2000 and 3000 liter

FlexFill style Perma-Cyls, VLCDs and all Perma-Max models.

Description: The new Rego PB 504 regulator is slightly narrower from inlet to outlet than the

A 401 regulator (See fig 1). For field retrofits, an adapter is required to make up the difference in length (See Fig 2). Part number is 21303540 Adapter BRS $\frac{1}{2}$ FPT X $\frac{1}{2}$ MPT. See Table 1 for Chart part numbers of A 401 regulators and the

new replacement PB 504 regulator part numbers.

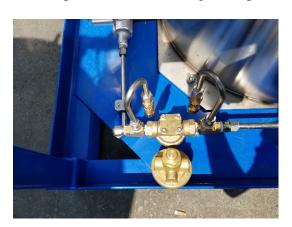




Fig 1

Fig 2



A401 numbers:

PART		
NUMBER	Description1	Description2
11635511	REGULATOR .500NPT @	CASH-ACME A-401 #21971-
	450PSI	0450
11690211	REGULATOR .500NPT @	CASH-ACME A- 401
	300PSI	#21999-0300
11779806	REGULATOR .500NPT @	CASH-ACME A-401 #21999-
	125PSI	0125
20760715	REGULATOR .500NPT @	CASH-ACME A-401 #21999-
	35PSI	0035

PB504 numbers:

PART		
NUMBER	Description1	Description2
	REGULATOR .500NPT SET	REGO# PB504-450, PB
21267964	@ 450PSI	REGULATOR
	REGULATOR .500NPT SET	REGO# PB504-300, PB
21267965	@ 300PSI	REGULATOR
	REGULATOR .500NPT SET	REGO# PB504-125, PB
21267966	@ 125PSI	REGULATOR
	REGULATOR .500NPT SET	REGO# PB504-35, PB
21267967	@ 35 PSI	REGULATOR

Spring Ranges

PB Regulator		Delivery Pressure Range
Number	PB Blank Number	(PSI)
PB504-020 to -070	PB504A	20 - 75
PB504-071 to -175	PB504B	50 - 180
PB504 -176 to -300	PB504C	150 - 300
PB504 -301 to -550	PB504D	250 - 550

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.

