



Bulletin No.: 091217

Date: September 12, 2017

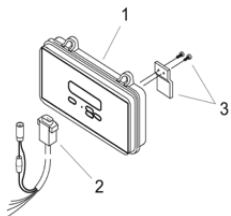
Subject: Manufacturer's Rep Notice: Commercial Power Supply Conversion
AC to DC

Due to regulations on power supply energy efficiency requirements, we are changing the power supply used on the commercial product line. This change will take effect September 2017.

The AC transformer is being replaced by a DC solid state switching power supply. The DC power supply will come with all commercial systems. Affected and new commercial component part numbers are listed below. In addition, new owner's manual versions that reflect these changes are now available on the North Star website at www.northstarwater.com. The commercial shipping assemblies are separated by valve sizes: 1" softener/filter part #0690349; 1 1/2" softener/filter part #0690350 (est. Oct. 1 introduction) and 2" softener/filter part #0690351.

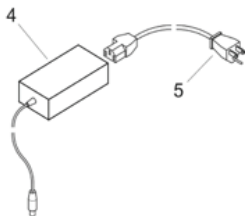
Key part number changes and additions are:

- a. Controller (all models). Note color change: blue box indicates CUC2 controller requiring DC power. The control box for a new unit has a female connector for the power cable plug-in, and comes with the appropriate power cable and the same mounting hardware as before. Part #7362982 (replaces part #7239838) for all 1" single disc, 1 1/2" and 2" valve systems, consists of:



1. Control box (Blue) - part #7362958. (Part number to order CUC2 control only.)
2. Power supply cable (DC) - part #7362607. Please note that the cable connector is a 9-pin male.
3. Mounting hardware (no change)

- b. As they did previously, literature kits will be model specific and will include a branded owner's manual, power supply cable, power supply, dataplate and salt level decal.



4. Power supply, 24V DC, 65W - part #7362673.
5. Power supply cable - part #7362720.

Changes to the 2" Valve with DC Power Supply

- a. Aspirator coil changes from pink/red 24VAC to brown 24VDC. Brown 24VDC solenoid coil kit part #7368069.
- b. With the blue box DC control, the 2" valve white auxiliary output wires supply a 24VDC current during all the regeneration cycles. Will require the use of the DC Bermad no-hardwater shut-off part #7362225 (1 per valve).

Replacing the CUC AC Version with the CUC2 DC Version

1" Softener Single Disc Valve will require:	
Description	Part #
1. CUC2 controller assy (includes power cable)	7362982
2. Literature kit (includes manual, power supply and cord)	7364269

1" Filter Single Disc Valve will require:	
Description	Part #
1. CUC2 controller assy (includes power cable)	7362982
2. Literature kit (includes manual, power supply and cord)	7364308

2" Softener Piston Valve will require:	
Description	Part #
1. CUC2 controller assy (includes power cable)	7362982
2. Literature kit (includes manual, power supply and cord)	7364227
3. Aspirator solenoid (brown) 24VDC	7362398*
4. Multiple tank units using the no-bypass Bermad valves change AC 3-way solenoid to 24VDC version	7368409*

If you have part #7280350 no-bypass valves (24VAC), replace (convert) the 3-way solenoid with a DC version part #7368409.

2" Filter Piston Valve will require:	
Description	Part #
1. CUC2 controller assy (includes power cable)	7362982
2. Literature kit (includes manual, power supply and cord)	7364227
3. Multiple tank units using the no-bypass Bermad valve change AC 3-way solenoid to 24VDC version	7368409*

*Order 1 per tank/valve

New Part Numbers

Description	Part #
CUC2 (controller w/o accessories)	7362958
CUC2 (controller assy includes power cable) (from shipping assemblies)	7362982
CUC2 DC power cable	7362607
Power cord	7362720
Power supply 24VDC 65W	7362673
24VDC Bermad no-hard water 2" bypass valve complete	7362225
3-way 24VDC solenoid valve for 2" Bermad valve	7368409
3-way 24VAC solenoid valve for AC replacement parts	7368394
24VDC aspirator solenoid (only)	7362398
24VDC aspirator solenoid assy	7368069
2" turbine assy gray (replacement meter only)	7345930