
Changes to CWP Valves and PM Kits

This tech note is an update of Water,SP,10093 summarizing changes made to solenoid valves used in the CWP:

All CWPs are now equipped with the ASCO style valves except the inlet valve which is a Bürkert valve.

The ASCO and inlet valves now have smaller coils.

NOTE: Important information regarding the replacement of solenoid valves and the ordering of PM kits is contained in this tech update. Read and understand this information before replacing any coil or solenoid valve in the CWP.

- ◇ The ASCO valves are installed on ALL CWP models starting with serial number 1000195. Previously, only models 104 and 106 were equipped with the ASCO valves.
- ◇ Smaller coils (10.5 watt) are used for the ASCO solenoid valves starting with serial number 1000195. (The previous coil was 16.7 watt). The membrane kit is not affected by this change. The new coil is WTW900000986.
- ◇ Due to the lower power consumption, the relays, located on TB2, are no longer required and have been removed from factory production.
- ◇ The inlet Solenoid Valve has a smaller 8 watt coil starting with serial number 1000251. A new Inlet Valve membrane kit, WTW609001003 has been introduced. This is due to the use of a smaller shaft, to accommodate the smaller solenoid. This membrane kit is replaced every 2 years during a PM, so a new PM kit has been introduced. The new kit is 3028289. See tech note 3028762 for more information on the Inlet Valve replacement and the new PM kit.

Replacement of ASCO solenoids:

(Models 104 and 106 with serial number > 2961 and ALL models > 1000194)

- ◇ The 10.5W (watt) coil is fully compatible with all CWP H/S models that were originally equipped with the 16.7W coil used with the ASCO valves.
- ◇ The relays do not need to be removed when replacing the coil.

WARNING: DO NOT USE the 16.7W coil on units that are **not** equipped with the relays as this may result in damage to the PLC.
The watt rating is printed on the side of the coil.

Ordering PM Kits

- ◇ Systems with serial numbers < 2962 that were originally equipped with the smaller plastic body inlet valve and were upgraded to the larger Inlet Valve will need to determine what size coil is installed on the Inlet Valve. All these system will be equipped with ODE valves. Order 3028287 with the 18W coil or 3028289 for use with the 8W coil.
- ◇ Systems that were installed with the larger coil on the Inlet Valve, that have been modified to the smaller coil and have ASCO valves will need to order 3028289.

Original Configurations:

Serial Number	Solenoid Valves	Inlet Valve
≤2836	ODE All Models	Plastic Body
2837-2961	ODE All Models	18W coil
2962-1000194	ASCO 16.7W coil 104 and 106 models only	18W coil
1000195-1000250	ASCO 10.5W coil All Models	18W coil
≥1000251	ASCO 10.5W coil All Models	8W coil

PM Kits:

3028284	Kit A	101-103 lower than 1000195, 104-106 lower than 2962
3028285	Kit A	104-106 starting with 2962 All Models starting with 1000195
3028286	Kit B	All Models lower than 2837
3028287	Kit B	All Models starting with 2837 up to 2961 101-103 starting with 2962 to 1000194
3028288	Kit B	104-106 starting with 2962 to 1000194 All Models starting with 1000195 to 1000250
3028289	Kit B	All Models starting with 1000251
3028290	Kit C	All Models lower than 2962 101-103 starting with 2962 up to 1000194
3028291	Kit C	104-106 starting with 2962 to 1000194 All Models starting with 1000195