

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 5282 series 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 S/N 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 S/N 1000195. (The previous coil was 16.7 watt). The membrane kit is not affected by this change. The new coil is W3T577817.

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 been changed to a Bürkert 5282 series valve with an 8-watt coil starting with S/N 1339310. A new inlet valve membrane kit, W2T912269 has been introduced. This membrane kit is replaced every 2 years during a PM, so a new PM kit has been introduced. The new kit is W3T577723. See Tech Note 240 (W3T575588), for more information on the inlet valve replacement and the new PM kit.

Replacement of ASCO Solenoids

(Models 104 and 106 with S/N > 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 upgraded the inlet valve will need to determine what model of inlet valve they have. These systems will be equipped with ODE valves.
- Systems with Bürkert 6213 (18W coil) inlet valve upgrade, order PM Kit-B (W3T577665).
- Systems with Bürkert 6213 (8W coil) inlet valve upgrade, order PM Kit-B (W3T577664) (the replacement membrane for this valve comes standard in Kit A).
- Systems with Bürkert 5282 (8W coil) inlet valve upgrade, order PM Kit-B (W3T577664) along with replacement membrane kit (W2T912269).
- Systems with S/N 2962-1000250 that upgraded the inlet valve will need to determine what model of inlet valve they have. These systems will be equipped with ASCO valves.
- Systems with Bürkert 6213 (8W coil) inlet valve upgrade, order PM Kit-B (W3T577667).
- Systems with Bürkert 5282 (8W coil) inlet valve upgrade, order PM Kit-B (W3T577723).
- Systems with S/N 1000251-1339309 that upgraded the inlet valve will need to order PM kit B (W3T577723).

Original Configurations

Serial Number (S/N)	Solenoid Valves	Inlet Valve
≤2836	ODE All Models	SIRAI, Plastic Body
2837-2961	ODE All Models	Bürkert 6213 Series, 18W coil
2962-1000194	ASCO 16.7W coil 104 and 106 models only	Bürkert 6213 Series, 18W coil
1000195-1000250	ASCO 10.5W coil All Models	Bürkert 6213 Series, 18W coil
1000251-1339309	ASCO 10.5W coil All Models	Bürkert 6213 Series, 8W coil
≥1339310	ASCO 10.5W coil All Models	Bürkert 5282 Series, 8W coil

PM Kits

W3T577662	Kit A	101-103 up to 1000194, 104-106 up to 2961
W3T577663	Kit A	101-103 from 1000195-1339309 104-106 from 2962-1339309
W3T577722	Kit A	101-106 from 1339310
W3T577664	Kit B	101-106 up to 2836
W3T577665	Kit B	101-103 from 2837-1000194 104-106 from 2837-2961
W3T577666	Kit B	101-103 from 1000195-1000250 104-106 from 2962-1000250
W3T577667	Kit B	101-106 from 1000251-1339309
W3T577723	Kit B	101-106 from 1339310 – 1369929
W3T577746	Kit B	101-106 from 1369930
W3T577668	Kit C	101-103 up to 1000194, 104-106 up to 2961
W3T577669	Kit C	101-103 from 1000195, 104-106 from 2962