

## CWP Inlet Solenoid Information

This tech note details the evolution of the CWP inlet valve. The new Burkert 5282 series valve (P/N 3030936) was incorporated in the CWP (starting with serial number 1339310) for its durability when energized open for extended periods. This new valve performs best when placed after flow meter F1 in the inlet assembly flow path, see appendix.

When upgrading to the new valve, MCP recommends replacing the PVC Inlet Assembly as described in this Tech Note.

See the photos below for a comparison of the new Burkert 5282 series valve, its predecessor the 8W Burkert 6213 series valve, and its predecessor the 18W Burkert 6213 series valve.

### Pictures for identification



The Burkert 5282 series valve contains a manual bypass switch on the valve coil. To manually open the valve, push the switch in and turn clockwise.

New Burkert 5282 inlet solenoid valve with 8W coil



Previous inlet solenoid valve, Burkert 6213 with 8W coil



Old inlet solenoid valve, Burkert 6213 with 18W coil

## **CWP Systems Production:**

The new Burkert 5282 series inlet solenoid valve was introduced in production starting with serial number 1339310 for CWP 101-106H/S. For optimal performance, the PVC Inlet Assembly was reconfigured (starting with S/N 1342551) so that flow meter F1 is before the valve in the flow path. All units manufactured by MCP now use this valve.

The previous Burkert 6213 series inlet solenoid valve with the 8W coil was standard in CWPs produced from serial number 1000251-1339309.

The old Burkert 6213 series inlet solenoid valve with the 18W coil was standard in CWPs produced from serial number 2837-1000250.

The SIRAI inlet valve with plastic body was standard in CWPs produced up to serial number 2836.

## **Spare Parts:**

The Burkert 5282 valve series parts are not compatible with the Burkert 6213 valve series parts. A whole new valve/PVC Inlet Assembly kit must be ordered if an upgrade is required.

Complete valve assemblies for the Burkert 6213 series (8W and 18W models) are no longer available, however the maintenance kits for these valves are still active with available parts.

## **Ordering information:**

When inlet solenoid valve problems arise on installed systems use the ordering information below for replacement parts:

### **Burkert 5282**

- 3031202<sup>1</sup> Spare Inlet Solenoid Valve (Burkert 5282 valve, 120V, 60Hz, 8W)
- 3031291<sup>2</sup> KIT,REPLT,INLET SOLV/PVC ASSY,CWP 101-103
- 3031292<sup>3</sup> KIT,REPLT,INLET SOLV/PVC ASSY,CWP 104
- 3031293<sup>4</sup> KIT,REPLT,INLET SOLV/PVC ASSY,CWP 106
- 3030941 Replacement Membrane Kit (for Burkert 5282 series valve)
- 3030942 Replacement Solenoid Coil (for Burkert 5282 series valve)

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<sup>1</sup> Order 3031202 (valve only) for CWP's with new PVC Inlet Assy configuration (either upgraded or built after S/N 1342551)

<sup>2</sup> Order 3031291 (valve and PVC assembly) for CWP 101-103 when upgrading to the 5282 valve

<sup>3</sup> Order 3031292 (valve and PVC assembly) for CWP 104 when upgrading to the 5282 valve

<sup>4</sup> Order 3031293 (valve and PVC assembly) for CWP 106 when upgrading to the 5282 valve

**Burkert 6213, 8W Coil**

- WTW609001003 Membrane/Plunger Kit (for Burkert 6213 series valve, 8W coil)
- 3030898 Plunger Tube Kit (for Burkert 6213 series valve, 8W coil)
- 3030899 Replacement Solenoid Coil (for Burkert 6213 series valve, 8W coil)

**Burkert 6213, 18W Coil**

- WTW609001002 Membrane/Plunger kit (for Burkert 6213 series valve, 18W coil)

The following parts are no longer available:

- WTW620016001 Replacement Burkert 6213 series valve, 18W coil (order 3031291, 3031292 or 3031293 if valve replacement is required).
- WTW620016003 Replacement Burkert 6213 series valve, 8W coil (order 3031291, 3031292 or 3031293 if valve replacement is required).
- When Inlet Valve solenoid problems arise on installed systems with the original Small Inlet Valve with the plastic valve body, the entire valve/PVC Inlet Assembly must be upgraded as SIRAI has obsoleted the valve and its maintenance parts. The upgrade kit is 3031291, 3031292 or 3031293.

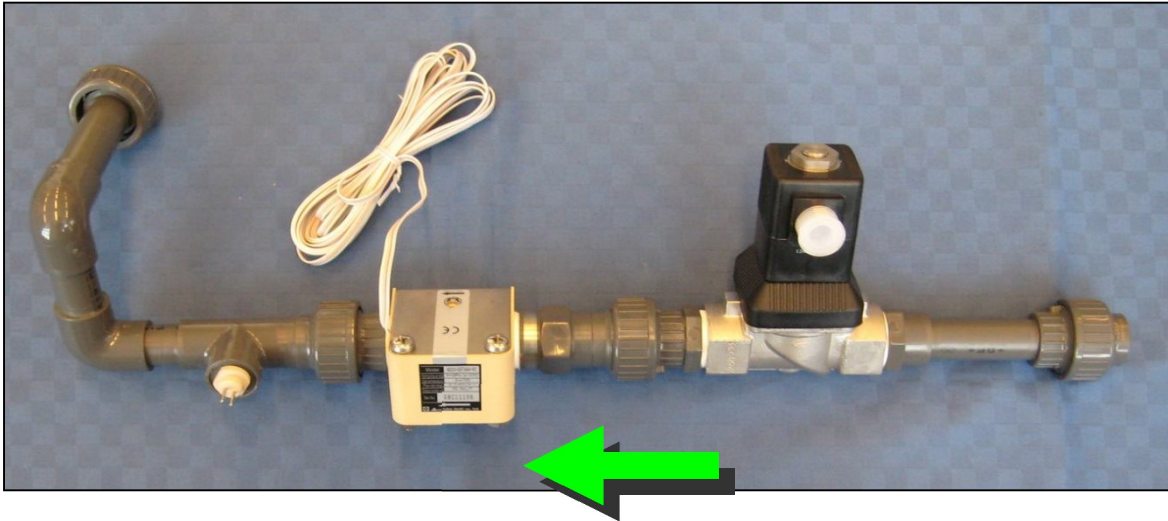
**Maintenance Kits:**

An additional maintenance Kit-A and Kit-B have been released for systems with the new Burkert 5282 series valve:

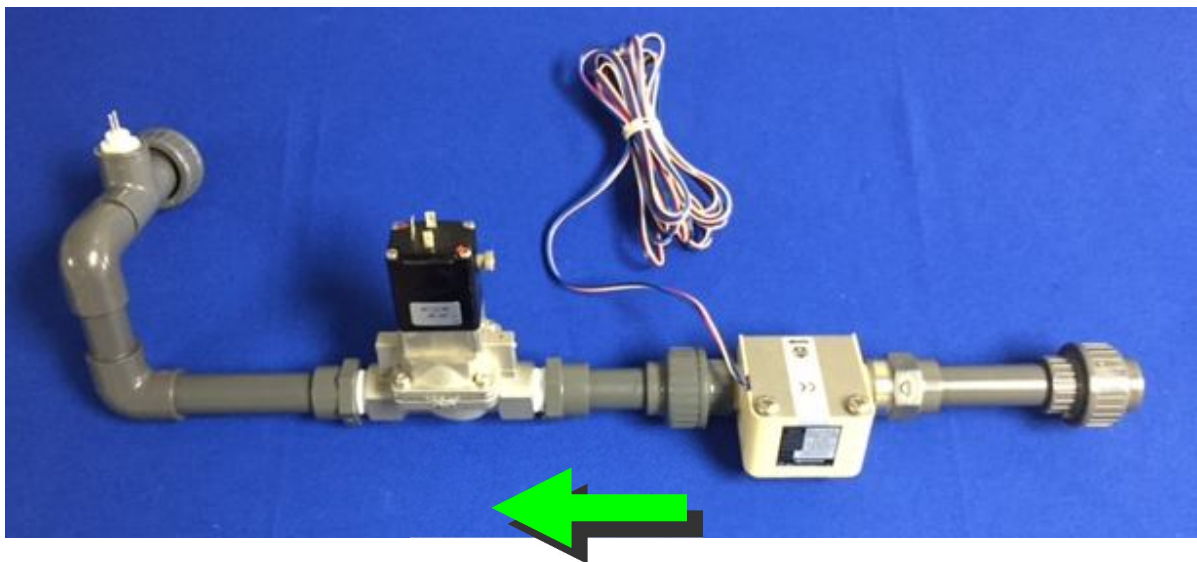
- 3031198 Kit-A CWP 101-106H/S from S/N 1339310
- 3031199 Kit-B CWP 101-106H/S from S/N 1339310

Other Kit-A and Kit-B PM kits are not affected by the availability of the new valve. Please contact Technical Support at 1-800-633-3080 for assistance.

## Appendix



The figure above shows the previous PVC Inlet Assembly configuration on CWPs built up to S/N 1342550. Note the inlet valve is before flow meter F1 in the flow path. The inlet valve depicted in this figure is the Burkert 6213 series with 18W coil.



The figure above shows the new PVC Inlet Assembly configuration on CWPs built from 1342551. Note the inlet valve is after flow meter F1 in the flow path. The new Burkert 5282 series valve is shown in this assembly. The manual bypass switch standard on this valve series can be seen protruding from the right side of the valve coil.