



Push Button Solenoid Valve Detail

Used on:

CR-2PB & CR-2SW-PB
CR-1PB & CR-1SW-PB
CP2000-CT2PB & CT3PB
CP-JR-CT2FR-PB
CP-JR-CT1F-PB
CM-2PB-SB
CM-2PB
CM-1PB



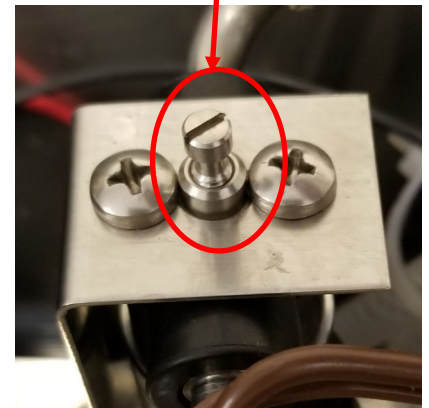
The PB Push Button models have a flow control set screw that can be found on the top of the Solenoid valve for each valve. Flow rate adjustments should be made with the unit on, cold, CO2 set to 75 psi and filling into a glass.

To access, remove the lid of the chiller to expose Solenoid valves. The set screw is the taller notched screw between the two Philips screws for the bracket.



Flow control adjustment screw.

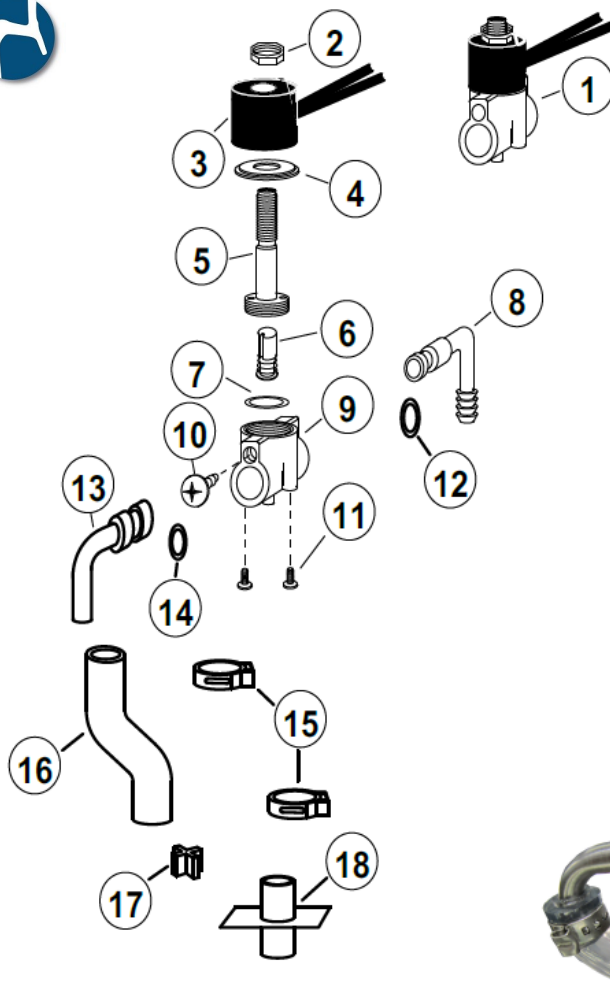
Use a flat head screw driver to turn.



Right to tighten and slow the flow.



Left to loosen and speed the flow up



Solenoid Valve Assembly Push Button Chilled Water Dispenser 21005-CWD Solenoid Valve Assembly Includes all Parts

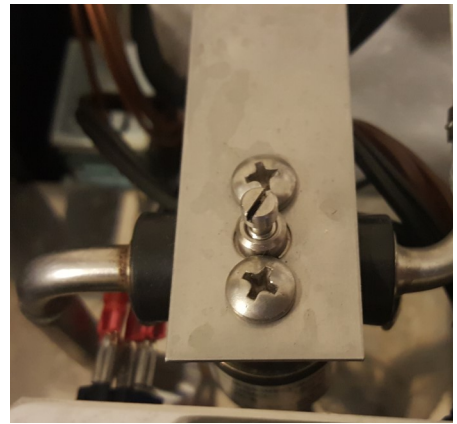
SYM	QTY	Item No.	Description
1	1	21004	Solenoid Valve, Only
2	1	E0623	Nut, Solenoid Valve Stem
3	1	E0525	Coil w/Shield, 24VAC
4	1	E0739	Flux Plate
5	1	E0537	Stem, Solenoid Valve
6	1	E0730	Plunger & Spring Assembly
7	1	E0531	Gasket, Solenoid Stem
8	1	21007	Inlet Fitting, 90 Degree w/O-Ring
9	1	21005-BO	Body Only, Solenoid Valve w/Meterin Pin
10	2	40049	Screw, Inlet Fitting, 10-24 x 1/4\" S.S. Phil. T.H.
11	2	40048	Screw, Mounting, 10-24 x 3/8\" S.S. Phil. T.H.
12	1	E0137	O-Ring, for 21007 Inlet Fitting
13	1	E0385-SPL	Outlet Fitting, CWD-PB
14	1	E0134	O-Ring, for E0385-SPL Outlet Fitting
15	2	S1090	Clamp, 15.7
16	6"	3/8\"CLR	3/8\" Clear Tubing
17	1	20007	Diffuser, CWD-PB
18	1	20008	Nozzle, CWD-PB

Found On Push Button Models:
CR-1PB
CR-2PB
CP2000-CT2-PB
CP2000-CT3-PB
CP-JR-CT2-PB
CM-2-PB-SB
CM-2-PB

Fixing a Leaking PB valve

A leaking Push Button valve is usually caused by debris in the valve body. Follow these easy steps to clean out.

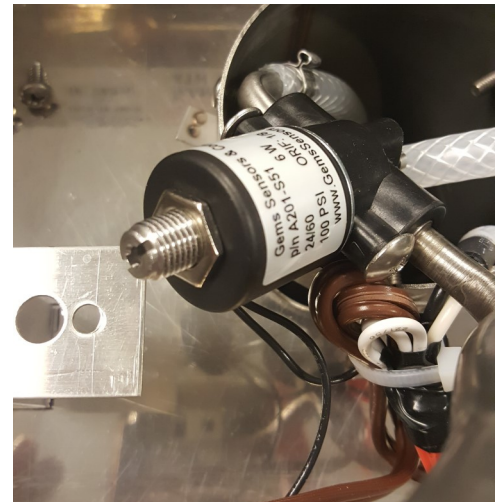
Always unplug unit before working on.



Unscrew the 2 Philip head screws

Lightly bend bracket to clear the adjustment nut and remove valve assembly.

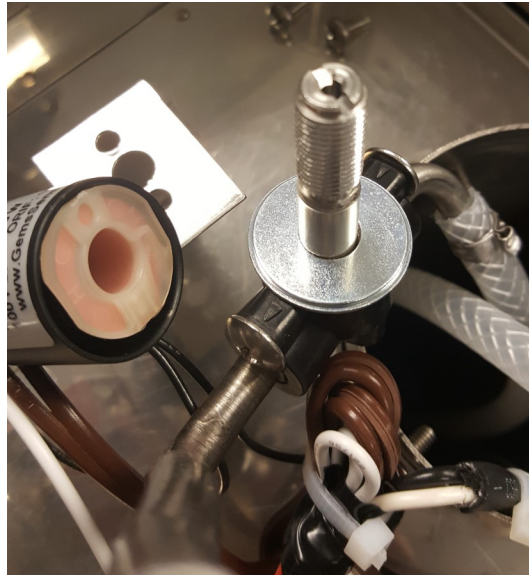
Turn valve over, being careful not to pull the wires from the solenoid.



Remove Retaining nut

Lift solenoid off, once again be careful not to pull on the wires too much.

Remove the solenoid washer and Unscrew the Armature Stem from the valve body.



Watch for the Piston and Spring in the Armature Stem when removing it. Check that the spring has tension still and look the bottom of the piston over for debris and wipe clean.



Look for and remove any debris or foreign material in the valve body area that could interfere with the piston seal and flow. Check that small o-ring is in place. Wipe internal valve area down with sanitizing wipe if necessary.



Reassemble the Valve in the reverse steps you took it apart in.

The armature needs to be snug, but do not over tighten. Over tightening it can result in pinning the piston down to the point water will not flow.

Before putting the solenoid back on the Stem, position the Washer so the groove is up, in the solenoid.

Check that wires in the solenoid are closest to the wiring harness to minimize tension on them.

Plug unit back in, turn water on, turn co2 on and run water through valve and make any flow adjustments. Confirm there is no more leak.

