Tech Tips

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TCP040 Connections

If you need to install a loaner TCP040 controller or mechanical pump and want to make sure that your TCP040 is connected correctly, verify the following connections.

In general:
Pins 1 to 3 are shorted (flow switch for cooling the water bypass)
Pins 4 to 5 are shorted if you are not using the Balzers rough pump
Pins 14 to 15 are shorted for the Standby Modification (turbo is always in standby mode)
Pins 8 and 9 are 240V output, which go to the Auto Valve Control (the "Up to Air" connection"). This lets the AVC know whether the turbo pump is on or off.

To Balzers rough pump

Connection	Color
6	Brown
7	Blue
5	Black
4	Black
Ground	PE (striped)

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