

Instructions for Pin Tool Dryer VP 904 and VP 904CE

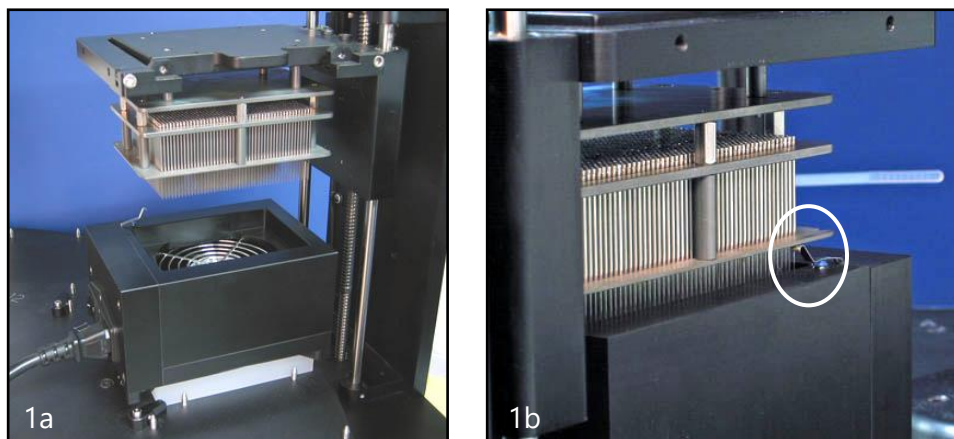


Figure 1. (a) VP 904 series Pin Tool Dryer shown on VP 903B Pin Tool Robot with Pin Tool positioned above Dryer (b) Pin Tool positioned with pins in opening of Dryer and activation switch depressed by Pin Tool.

Setup:

1. Locate VP 904 series Pin Tool Dryer to Automated Liquid Handler deck by positioning SBS Block Adaptor in a microplate holder (Fig 1a).
2. For use with PE Janus robots remove the Block Adaptor by pulling straight off to reveal the metal locating pins on bottom of Pin Tool Dryer (see Fig 2a). In addition, the locating pins can be removed by a hex wrench so that the Dryer can sit flat for benchtop use.
3. Register Pin Tool to the Dryer using the programming features of the Automated Liquid Handler so that the pins do not touch the Dryer and the activation switch contacts the bottom float plate of the Pin Tool.

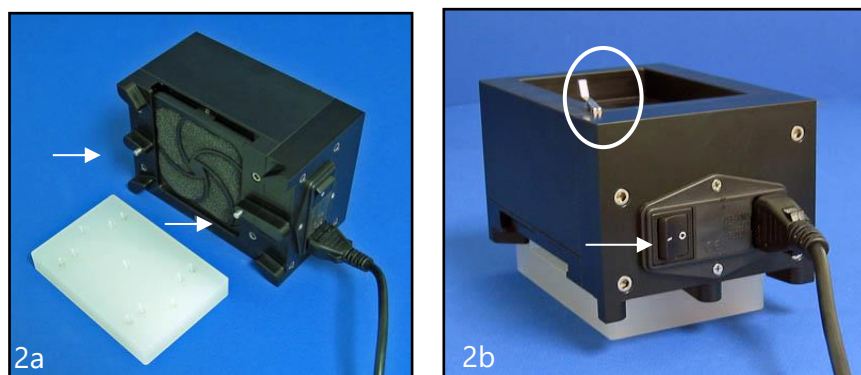


Figure 2 (a) VP 904 series Pin Tool Dryer shown with SBS Block Adaptor removed. Locating pins indicated by arrow. (b) Dryer power (arrow) and activation (circle) switches.

Use:

1. The pin tool dryer can be used in two different ways (Fig 2b and Fig 1b).
 - a. Press the power switch to the ON position to keep the Pin Tool Dryer on continuously.
 - b. Press the power switch to the OFF position, so that the Pin Tool Dryer is turned on when the activation switch is pressed down by the Pin Tool.

Care:

1. If the pin tool dryer stops working, check the fuses next to the switch. The pin tool dryer uses two fuses (5x20mm, 250mA 250V). Access to the fuses can be achieved by first disconnecting the power cord and using a screwdriver to pry open the fuse enclosure located between power switch and power cord.
2. Change the pin tool dryer filter every 2 to 3 months, depending upon use and environment. First, remove the polypropylene SBS adaptor plate from the metal pins on the bottom of Dryer by pulling it straight off. The filter unit can be removed from by carefully sliding it sideways out of track on bottom of Dryer. Filter unit can be easily disassembled to access the carbon filter. Filter units (VP 904-FF) can be purchased from V&P Scientific, Inc.
3. The Pin Tool Dryer is made of ABS. To clean wipe down with a mild detergent followed by water, being careful to not introduce liquid into fan area, power connection or switch. For chemical compatibility of ABS please see the following link for more information:
<http://www.coleparmer.com/techinfo/chemcomp.asp>

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If technical assistance is required, contact: V&P Scientific, Inc. at 858-455-0643 or sales@vp-sci.com