

Vacuum Pen Instructions

The 10VAC vacuum pen simplifies pickup and placement of small components in a variety of assembly applications.

Each vacuum pen kit includes:

- control console
- 3-ft air hose and quick-connect
- foot pedal with 8-ft cord
- 8-ft input voltage cord set
- quick-connect and air input hose kit
- (1) pickup pen
- (2) 14, (1) 18 and (2) 21 gauge pickup tips
- (1) each .0938", .1250", .1875", .2500" and .3750" diameter vacuum cups



Replacement Parts & Accessories

Description	Qty.	Part #
Vacuum pickup pen (complete)		2172
Vacuum cups		
.0938" diameter vacuum cups	10/box	2172-3/32
.1250" diameter vacuum cups	10/box	2172-1/8
.1875" diameter vacuum cups	10/box	2172-3/16
.2500" diameter vacuum cups	10/box	2172-1/4
.3750" diameter vacuum cups	10/box	2172-3/8
Vacuum pickup tips		
45° angled tips		
14 gauge tips (olive)	50/box	2173-B
18 gauge tips (green)	50/box	2174-B
21 gauge tips (purple)	50/box	2175-B
Straight tips		
14 gauge tips (olive)	50/box	5114-B
21 gauge tips (purple)	50/box	5121-B
Vacuum cup and tip kit		1000VPC-KIT
(2) 14, (1) 18 and (2) 21 gauge pickup tips		
(1) each .0938", .1250", .1875", .2500" and .3750" dia. cups		



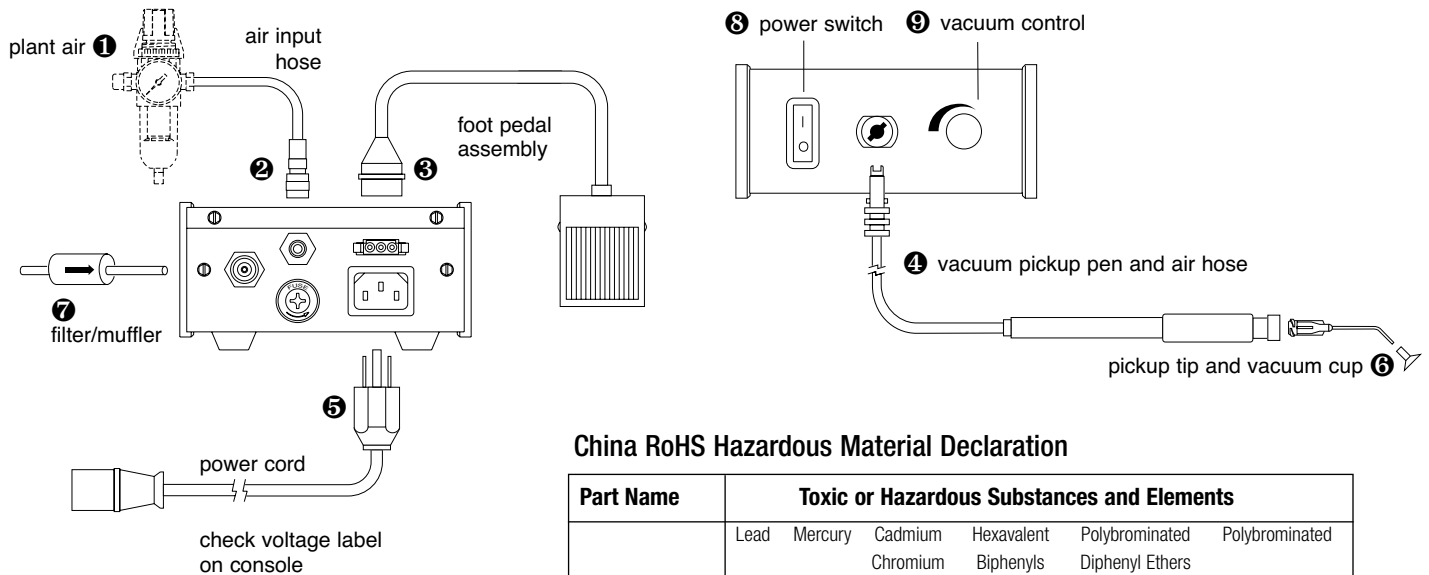
For EFD sales and service in over 30 countries, contact EFD or go to www.efd-inc.com/contact

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This equipment is regulated by the European Union under WEEE Directive (2002/96/EC). See www.efd-inc.com for information about how to properly dispose of this equipment.

Operating Instructions



China RoHS Hazardous Material Declaration

Part Name	Toxic or Hazardous Substances and Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium Chromium (Cd)	Hexavalent Biphenyls (Cr6)	Polybrominated Diphenyl Ethers (PBB)	Polybrominated (PBDE)
All brass fittings	X	0	0	0	0	0

0: Indicates that this toxic or hazardous substance contained in all the homogeneous materials for this part, according to EIP-A, EIP-B, EIP-C is below the limit requirement in SJ/T11363-2006.
X: Indicates that this toxic or hazardous substance contained in all the homogeneous materials for this part, according to EIP-A, EIP-B, EIP-C is above the limit requirement in SJ/T11363-2006.

Specifications

- Input Voltage: 90-120 VAC
(220 VAC available)
- Power Required: 50/60 Hz 24/20 VA
- Internal Voltage: 24 VAC
- Input Air Pressure: 80 to 100 psi
(5.5 to 6.9 bar)
- Vacuum: Internal venturi
Up to 15 inches HG
- Air Consumption: Less than 1/2 CFM
at full continuous operation
- Overall Cabinet Size:
5 1/4" x 7 1/4" x 2 1/2"
(13.3 x 18.4 x 6.4 cm)
- Weight: 3 lb 5 oz (1.50 kg)

One Year Warranty

The vacuum pen is warranted for a period of one year from date of purchase. This warranty is valid only when clean, dry, filtered air is used.

Note: For very small components, contact an EFD Fluid Application Specialist for tip recommendations.

Setup

Connect the air input hose assembly to clean, dry, filtered plant air **1** using the fittings supplied. Set plant air supply within 80 to 100 psi (5.5 to 6.9 bar). Where required, use an EFD five-micron filter regulator (#2000F755).

Attach the air input hose coupling **2** to the vacuum pen console.

Plug in the polarized foot pedal connector **3**.

Insert the black quick-connect **4** from the vacuum pen into the air output fitting on the front panel.

Connect the power cord **5** to a grounded 120 VAC outlet. (220 VAC is available. Check voltage label.)

Twist on the appropriate pickup tip **6** and vacuum cup.

Install the filter muffler **7** on the vacuum transducer. The vacuum pen is now ready for use.

Operation

Press the power switch **8** to turn on the unit.

Position the vacuum cup on the component and press the foot pedal **3** to activate the vacuum.

Adjust the vacuum by turning the vacuum-control knob **9** on the front panel. **Turn counterclockwise to increase vacuum.**

Pick up and place the component. **Release the foot pedal **3** when the component has been placed.** Vacuum to the pen will stop immediately.

If you require any assistance, or have specific questions, please contact us.

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