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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

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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		
45º 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		

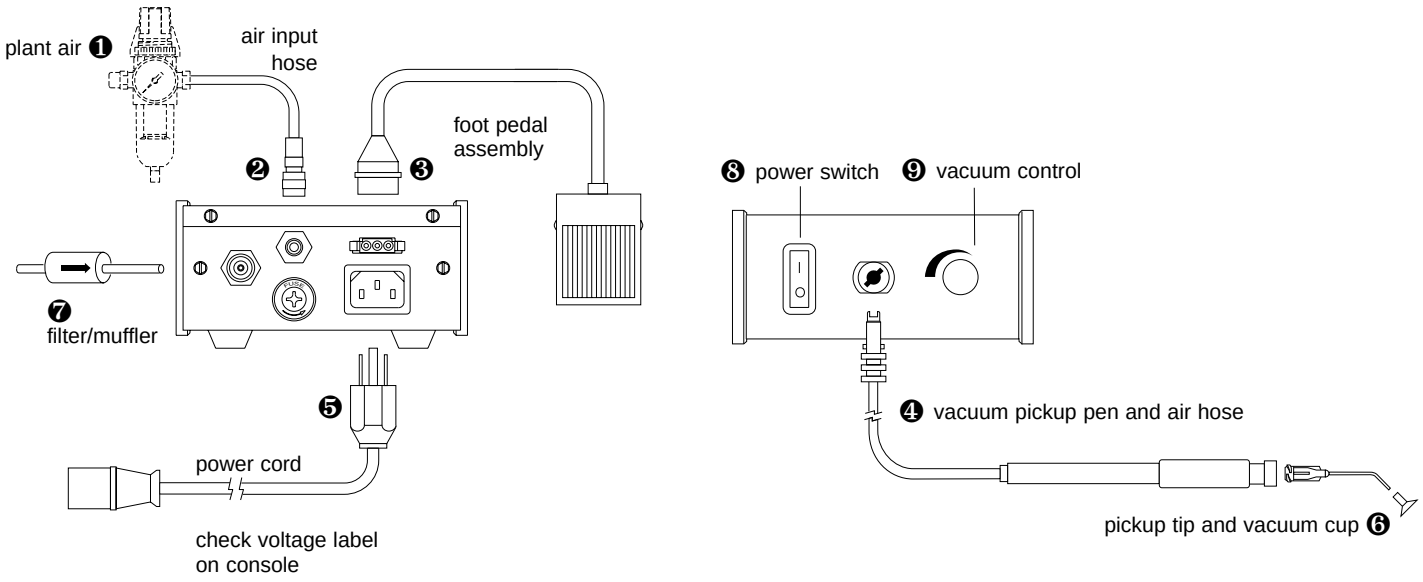
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Operating Instructions



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 ❶ 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 ❷ to the vacuum pen console.

Plug in the polarized foot pedal connector ❸.

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

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

Twist on the appropriate pickup tip ❻ and vacuum cup.

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

Operation

Press the power switch ❽ to turn on the unit.

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

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

Pick up and place the component.

Release the foot pedal ❸ 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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