

VACUUM PICK-UP SYSTEM

Product No. 520-1, 520-1-220



DESCRIPTION:

Handle and Transport Samples without the Use of Tweezers

Use this system for picking up delicate lightweight materials with a finger-controlled vacuum. Attach various hollow needle tips (five included) onto the Pick-up Pen; additionally, rubber cups (three included) can be added to the tips. Use the easy finger-control for pick up or release. **Not for wet or corrosive materials.**

The PELCO® Vacuum Pick-Up System is powered by a 110V, 60Hz or 220V, 50Hz cycle low-wattage diaphragm pump. The system comes with four feet of lightweight silicone tubing, an in-line filter, five assorted stainless steel tips, three cups, and a pick-up pen.

INSTALLATION:

To install the in-line filter, cut a short section (3-6") of the silicone tubing. Attach one end of this section to the vacuum pump inlet and the other to the in-line filter. Next, attach the longer section of silicone tubing to the other end of the in-line filter.

To install the pick-up pen, attach it to the open end of installed silicone tubing and choose an appropriate tip for the size and weight of the sample. Vacuum cups may be placed on tips for picking up soft, easily-marred samples.

PROCEDURE:

After turning the unit on, the pick-up pen is held with the small opening pointed toward the index finger. To engage the vacuum, the index finger is placed over the hole so that vacuum is drawn through the needle, or needle with cup. The part is released by lifting the index finger off the opening. The procedure is repeated until the work is completed.

ACCESSORIES AND REPLACEMENT ITEMS:

The following accessories and replacement items are available:

- #520-3 In-line Filter, barbed fitting for 1/8" ID Tubing
- #520-4 Vacuum Cup, 0.375" (9.53mm) dia
- #520-5 Vacuum Cup, 0.250" (6.35mm) dia
- #520-6 Vacuum Cup, 0.125" (3.18mm) dia
- #520-7 Tip, 12 gauge, 0.093" (2.36mm) ID, 39mm L
- #520-8 Tip, 16 gauge, 0.0465" (1.18mm) ID, 39mm L
- #520-9 Tip, 18 gauge, 0.0315" (0.800mm) ID, 39mm L
- #520-10 Tip, 20 gauge, 0.022" (0.558mm) ID, 39mm L
- #520-11 Tip, 25 gauge, 0.0095" (0.241mm) ID, 39mm L
- #520-12 Pick-up Pen, 0.36 x 5" (9.2 x 127mm), barbed fitting for 1/8" ID Tubing
- #520-13 Silicone Vacuum Tubing 1/8" ID x 1/16" wall, 4' L
- #520 Vacuum Pump only, 110V
- #520-220 Vacuum Pump only, 220V