

# VAC-U-BENCH

Installation \* Operation \* Maintenance \* Replacement Parts

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This equipment was purchased to provide a work area that will carry contaminants away from the operator that is principally cleaning, deburring, grinding, sanding, or processing parts.

## **INSTALLATION**

- 1.0 Locate the Vac-U-Bench in the desired area allowing adequate access to the bench and the dust collector.
- 1.1 Allow enough room for the inspection and the replacement of dust bags.
- 1.2 Provide easy access to empty the dust drawer and operate the dust bag shaker.
- 1.3 Provide 115 volt, single phase service phase service to the equipment. Single source power operates the bench lighting and dust collector.
- 1.4 The electrical service should be 15-20 amps depending upon the size of the blower.
- 1.5 If the Vac-U-Bench is other than standard, the electrical requirements will be different.

NOTE: The Vac-U-Bench equipped with a 115 volt double outlet, which permits using portable hand held electric tools at the work bench. The amperage required to power these tools must be added to the equipment requirements.

## OPERATION

- 2.0 The operation of the Vac-U-Bench requires very little instruction.
- 2.1 A single source switch turns on the fluorescent lights and the exhaust blower.
- 2.2 Place the part over the down draft work area for the most efficient removal of the contaminates.
- 2.3 At the end of each shift, shake the dust bags. Move the rapper handle 10-12 times in such a manner that the rapper paddle strikes the bottom of the bags.
- 2.4 Once or twice a week, empty the dust drawers.

NOTE: Be sure that the parts being cleaned are dry and free of any oil or grease. Water, oil, or grease will contaminate the dust bags and render the dust collector useless.

## **MAINTENANCE**

### **3.0 DIRTY DUST BAGS:**

As air containing particles is drawn through the dust bag, the particles are trapped on the outside of the bag.

- 3.1 A certain amount of particulate matter will always remain on the outside of the bag, even after the shaking. This is normal and greatly improves the efficiency of the bag as a filter. This is called a "seasoned" filter bag.
- 3.2 As particles build up on the dust bags, the resistance to air flow will increase. When this resistance reaches a point that the flow has been restricted, it hampers the operation of the system. The bags should then be shaken to remove the particle build up.

### **4.0 CONTAMINATED DUST BAGS:**

The word "contaminated" is being used to describe a dust bag that has become coated with material outside the normal material the collector is collecting.

- 4.1 A very small amount of either water, oil, or grease will contaminate all of the bags in a dust collector. This results in a complete change of dust bags.

## **MAINTENANCE (Cont.)**

### **4.2 CLEANING CONTAMINATED DUST BAGS:**

There is no satisfactory method for cleaning contaminated bags.

### **5.0 RECOGNIZING CONTAMINATED DUST BAGS:**

Generally, the first sign is to observe that the amount of air passing through the dust collector is less than it should be.

#### **5.1 Remove panels to bag house and check dust bags.**

5.2 Rub a dust bag with your thumb and forefinger. If the residue left on your thumb or finger will not brush off readily, the bags are either wet, oily, or some of each.

### **6.0 CHANGING FILTER BAGS:**

Remove plenum above dust bags. Count the number of bags in the dust collector and order that amount of bags. (I.C.M. part number: 3000F).

6.1 Release clamps holding dust bags, then remove bags.

## **MAINTENANCE (Cont.)**

### **7.0 INSTALLING NEW DUST BAGS:**

Replace dust bags and reinstall clamps. Be sure bags are sealed together and around edges of bag modules.

#### **7.1 Reinstall plenum.**

## REPLACEMENT PARTS LIST

UNIT: VAC-U-BENCH

PART NO.	DESCRIPTION
3000F	1 1"X39" Dust Bag