



VIA AIR MAIL
COUNTERPART FOLLOWING
BY REGULAR MAIL

November 9, 1936.

Dr. Willard F. Machle,
College of Medicine,
University of Cincinnati,
Cincinnati, Ohio.

My dear Dr. Machle:

Having just returned to the office, I am immediately writing you most of the information you asked for after our discussion last Thursday morning.

We are pleased to quote you on 12 to 15 complete positive pressure hand driven blowers with the following equipment:

- 1 No. 4400 - Hand driven positive pressure blower
(with manifold having two outlets).
- 1 No. 3291 - Mask and web safety belt assembly (single
inhalation tube over shoulder).
- 2 No. 3035 - 25 ft. lengths of 1" oil resisting hose.
- 1 No. 3036 - 50 ft. lengths of 1" oil resisting hose.
- 1 No. 1300-A Fibre Trunk.

a price of \$171.90 each net with standard red rubber mask parts ---
or \$174.40 each net with white rubber mask parts. With non-sparking
hardware throughout, the price would be \$176.90 each net with standard
red rubber mask parts and \$179.40 each net with white rubber mask
parts.

You will notice I have been able to considerably reduce the price of
these blowers under the standard price. You will be getting one add-
itional 25 ft. length of hose, or 100 ft. in all with each outfit.
This was necessary as we can only discount complete outfits. In other
words, you are getting 50 ft. more of hose than you would get with any
of the velocity type blowers such as the sample we submitted to you.

The prices quoted above should be confidential as far as the field is
concerned, as it would be necessary in the event of future purchases by
companies who see this equipment, for us to quote regular prices.

Prices quoted are f.o.b. New York, and we shall be able to make partial
shipment at once, and complete shipment in ten days.

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With regard to specifications, the blower itself packed for shipment weighs 80 lbs. The trunk containing 100 ft. of hose, mask and web safety belt assembly (single inhalation tube) weighs 106 lbs. The dimensions of the trunk containing mask and hose are 25" x 25" x 15 $\frac{1}{2}$ ".

For convenience in handling in the field, we have found it preferable not to include the blower in a case, because of its weight and the space involved to house it. In the event that it were in a case, it would be necessary to remove it from the case anyway to operate it, as the crank handle rotates in the same direction as a bicycle peddle. Therefore, from the standpoint of space alone, I feel it would be advisable in yours as well as in previous instances where we have supplied this equipment, to carry the blower separately. It can be easily operated standing on the ground and can be conveniently handled in remote locations.

We should be pleased if you so desired, to furnish covers of waterproof canvas for the blowers while not in use. Blowers are equipped so that in the event you should ever find it necessary to motorize them to furnish air to more than two men, it could be done by simply adapting a clutch, motor and base to the hand driven unit, as you would receive it.

With regard to filters, we do not feel that you will require this equipment except perhaps in one or two locations. However, I did have some resistance tests run on the filter which we would supply you, in accordance with your request. At 85 liters per minute there was a pressure drop on the filter of 7-1/2" of water. This resistance would be practically negligible when used with the positive pressure equipment in question.

We will have the output tests at the end of 100 ft. of hose with filter attached, within the next couple of days.

I certainly trust by this time you have found the claims I made for the Davis face piece justified. We feel sure that your men will be pleased with the comfort and service they give in field use.

I hope, also by the latter part of this week to have the information you want on the clearance between the impellers and the housing in this blower. We are getting this information direct from the Roots-Connersville people.

I am sending under separate cover today, the blower only, as we would supply it.

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Mr. Davis was certainly pleased to learn of your own tests on the velocity type of equipment, and may I thank you very much for the time which you spent with me in discussing them.

In the event you favor us with this order, we should be pleased to have our own men demonstrate the equipment in the field.

If there is any further information we can supply you with from this end, please do not hesitate to call on us.

My kindest regards.

Very truly yours,

A handwritten signature in cursive script that reads "Lawrence W. Brendlen". The signature is written in dark ink and is positioned above the printed name.

L. W. Brendlen.

LWB/HB
Copy Regular Mail

P. S. I am also sending under separate cover, 25 copies each of our publications on "Classification of Physiological Action of Noxious Gases and Vapors" and "Classification of Respiratory Protective Devices."

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