

Chicago, Illinois
July 29, 1941

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Mr. O. B. Lewis

Dear Oscar,

Recently the Mine Safety Appliances Company representative was in to see us and left the attached literature regarding their new Comfo Metal Fume Respirator.

He stated that this respirator could be worn beneath a welder's helmet and that it gives protection against all metal fumes, including lead fumes.

We are forwarding this on to you, thinking that, if this is true, it might be valuable to us. However, we would suggest that its adaption to our use where men are doing hot work inside leaded gasoline tanks be checked direct with their laboratory, as well as our own.

Very truly yours,

(S) B. G. Crane

KE 0022405

New



M·S·A Comfo METAL FUME RESPIRATOR



PERMISSIBLE RESPIRATOR FOR FUMES

APPROVAL



NO. 2139

ISSUED TO THE
MINE SAFETY APPLIANCES CO.
Pittsburgh, Pennsylvania, U. S. A.

Approved for protection against the inhalation of fumes (solid dispersoids or particulate matter formed by the condensation of vapors such as those from heated metals and other substances).

The approved assembly consists of: BM-2101 facepiece and BM-2139 filter.

In making renewals or repairs, parts identical with those furnished by the manufacturer under the pertinent approval shall be maintained.

CAUTION

This respirator removes only dispersoids from the air. It gives no protection against gases, vapors, or an insufficiency of oxygen. Follow the manufacturer's instructions for fitting the respirator to the face, for cleaning or changing the filter, for cleaning the respirator, and for caring for it while not in use.

The M.S.A. Comfo Metal Fume Respirator brings approved respiratory protection to workers in industry who are exposed to air contaminants arising from a variety of metals in molten condition. This modern protection is combined with the long-proved wearing comfort and durability of the famous Comfo Respirator design—creating a product assured of wide acceptance wherever metal fume safety is a problem. Complete working freedom is permitted, and there is no interference with the use of goggles or any type of headgear. In every feature, this new M.S.A. product is worthy of the Comfo name—see the reverse of this page for the details!

U. S. Bureau of Mines'
Approval No. 2139

*Note these
modern features*

THE M.S.A. Comfo METAL FUME RESPIRATOR

- Filters of unique design—having high filtering efficiency against fine metal fumes.
- Filter area more than double that of regular Comfo dust filters.
- Protective filter containers of aluminum, guard long life of filters by keeping out grease and dirt.
- All-rubber facepiece fits any face snugly and comfortably.
- Foolproof U. S. Army-type exhalation valve, simple and positive in action.

APPLICATIONS

Toxic concentrations of metal fumes may be present in any operation or process where alloys or materials containing lead, zinc, cadmium, manganese, chromium, arsenic, and similar metals, or their compounds, are heated to temperatures above their melting points.

The M.S.A. Comfo Metal Fume Respirator will provide approved respiratory protection against these air contaminants. Examples of such operations are:

Burning, welding, and riveting steel coated with lead paint; melting and pouring brass and bronze, also metals containing lead, cadmium, manganese, etc.; soldering and babbiting operations; smelting and refining of lead, zinc, and other toxic metals; melting and pouring type metals as in type foundries, linotype operations; welding and cutting galvanized iron.

CONSTRUCTION

The M.S.A. Comfo Metal Fume Respirator is extremely simple in construction, yet provides the desirable qualities of strength, light weight and long service life. The twin side-placed filters, which assure low breathing resistance, are connected to a durable rubber facepiece with soft, flexible inturred edge—fitting any face with a comfortable air-tight seal. Filters are easily changed when necessary, and the standard U. S. Army inhalation valve is readily cleaned and always reliable. The rubber facepiece and aluminum filter containers may be washed and disinfected by regular methods at any time, without harm.

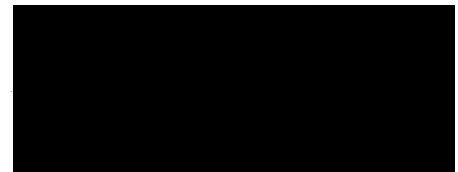
Cat. No. CR-17060—M.S.A. Comfo Metal Fume Respirator complete with two sets of Filters.

Cat. No. CR-17034—Metal Fume Filters, 2 per box.



MINE SAFETY APPLIANCES COMPANY

Braddock, Thomas and Meade Sts. • Pittsburgh, Pa.



THE FILTER

A uniquely-designed unit of high efficiency and durability, especially processed to combine maximum filtering effect with minimum breathing resistance. Extra-large area assures long life in service.



EASILY MAINTAINED

Maintenance of the respirator requires renewal of the filters at intervals depending upon conditions of use. Filter changes are easily and quickly made by any wearer—the lids of the filter cases are unscrewed, the old filters removed and new ones inserted, and the lids screwed firmly back in place.

**DEMONSTRATIONS GLADLY ARRANGED
ON REQUEST**