



# Flammables Cabinet

## Installation and Maintenance Instructions

Please unpack these cabinets carefully. If any damage is evident, immediately notify the delivering freight carrier and the supplier of your SciMatCo cabinet.

You have just purchased the finest cabinet designed solely for the safe storage of hazardous chemicals. Please read the manual thoroughly before using this product. Only store chemicals in the compartments which are designed to hold these chemicals. Please keep this manual on hand for future reference.

**Caution:** Always use eye, face, hand, and body protection when using this cabinet.

### I. Unpacking the Cabinets

The best method of unpacking the cabinets is as follows.

- A) Remove staples, tape and banding material from the top and bottom of the carton.
- B) Open the top of the box and remove the four (4) packing corners. Gently lift the carton off the product. Be careful not to scratch the cabinet with the box.
- C) Move the cabinet to its appropriate location. Make sure the surface on which you would like to set the cabinet can support the weight of the cabinet and its contents.

**Caution:** Do not locate your cabinet near open flame, spark or heat or any source of ignition.

### II. Assembly and Set-Up

Your SciMatCo Flammables cabinet comes fully assembled so no assembly is needed. Once you have moved your cabinet into its proper location, you may need to adjust the leveling feet on floor models to insure the proper stability.

**Warning:** Always close and secure cabinet doors after removing your chemicals.

### III. Maintenance

Your SciMatCo Flammables cabinet is constructed of 1" thick, high density plywood, painted with several coats of a lacquer paint and then painted with three (3) coats of clear epoxy. This cabinet was designed to give you years of trouble free service with minimal maintenance.

**Caution:** Always use eye, face, hand and body protection when cleaning this cabinet.

The inside of the cabinet should occasionally be wiped out using a solution of any household cleaner. Having a good cleaning program and following it will assure you that you will get many years of service out of your cabinet.

Any scratches in the painted surface of the cabinet should be repainted at once. You can order an epoxy touch up paint kit from us. Please refer to the replacement parts list at the end of this manual for the appropriate catalog number.

## IV. Materials to be stored

This SciMatCo Flammables cabinet is designed for the storage of flammable liquids.

**Warning:** Absolutely no corrosive materials should ever be stored in this cabinet.

The metal hinges and lock used in this cabinet, while required for use as a flammables cabinet, will not hold up to corrosive materials such as acids. Never store acids or any material which will corrode the metal components in this cabinet.

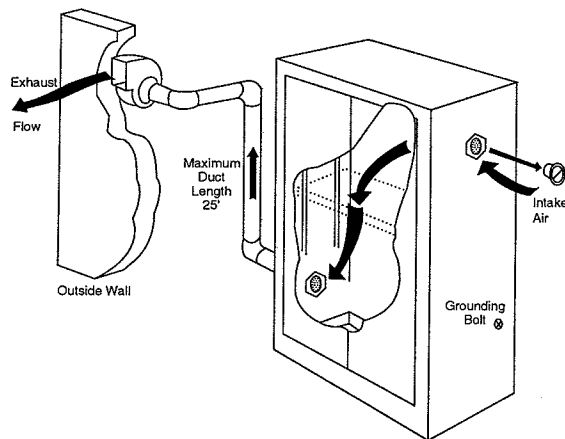
## V. Venting Your Cabinet

Local Fire Departments may require the venting of Flammables Cabinets. The NFPA, (National Fire Protection Association) which has developed many of the fire codes throughout the United States, sees no benefit in the ventilation of a flammables cabinet for the purpose of fire prevention. If you must conform to a local standard requiring the venting of your cabinet, you must follow these guidelines in order to prevent compromising the fire protection offered by your flammables cabinet.

1) The cabinet must have the proper flame arrestors installed. (Contact SciMatCo for the Flame Arrestors)

- 2) Vents should be located on opposite sides of the cabinet, one at the top and one at the bottom. The vent at the top should be used as the inlet port and the bottom vent should be used as the exhaust port. (See figure below)
- 3) Exhaust piping must be rigid steel piping and be connected to the lower vent. If you use a mechanical blower it must be an explosion proof motor blower assembly.
- 4) Maximum exhaust duct length of 25 feet must be observed.

Failure to observe these guidelines may seriously reduce the fire protection of any flammables cabinet.



## VI. Replacement Parts List

| <b>Description</b>                     | <b>Part No.</b> |
|--|-----------------|
| <b>Paint Touch-up Kit</b>              |                 |
| Yellow                                 | 7021-5          |
| <b>Flame Arrestors</b>                 | 7021-8          |
| <b>Extra Keys</b>                      |                 |
| Bench, 18 Gallon and Wall mount models | 7021-1          |
| 45 Gallon Model                        | 7131-1          |
| <b>New Locks</b>                       |                 |
| Bench, 18 Gallon and Wall mount models | 7021-4          |
| 45 Gallon Model                        | 7131-2          |

If you have any questions or need any replacement parts, please contact your supplier.

## SciMatCo Product Warranty

Scientific Materials Company warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. This warranty excludes damage caused by abuse, misuse, accidents or the failure to provide proper maintenance.

**SciMatCo**

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