

## **turbo® III Precleaner GUARANTEE**

DREISON warrants the TURBO® Precleaner to be of adequate material and good workmanship to satisfactorily perform all functions which are defined and limited by the DREISON product specifications.

The company's obligations under this warranty are limited to replacement without charge for parts or complete units which the company determines to be defective. The time limitations for such replacement will be within (2) two years from the date of purchase or 5000 hours of use, whichever occurs first.

DREISON will not assume transportation or other charges involved in such replacement. This warranty does not apply to units damaged by abuse, neglect or misuse.

Fill out the following information and keep for your records. For parts and service, return the entire unit to your local dealer or to: TURBO PRECLEANERS, 4540 West 160th Street, Cleveland, Ohio 44135-2629.

Date Purchased \_\_\_\_\_ Serial No. \_\_\_\_\_ Model No. \_\_\_\_\_

Dealer's Name \_\_\_\_\_

Dealer's Address \_\_\_\_\_

### **PRECLEANER INSTALLATION INSTRUCTIONS**

1. Remove the rain cap from the air intake pipe.
2. If the diameter of the intake pipe is smaller than the opening in the base of the precleaner, contact your distributor for the applicable adapter.
3. When placing the precleaner on the air intake pipe, make sure it is set all the way down so the slots in the base are completely covered.
4. Tighten the clamp.
5. If the exhaust pipe is nearby, make sure the precleaner is at least 12" below the top of the exhaust pipe to prevent intake of harmful exhaust gases.

Your TURBO® Precleaner is now ready for operation.

Although the TURBO® Precleaner requires no periodic maintenance, it should be checked occasionally to make sure that foreign materials have not plugged intake area or exhaust port area. Accessory pre-screens are available to protect your TURBO® Precleaner from large airborne materials.

**NOTE: Since dry type filters and oil bath type filters are quite different in regards to the allowable amount of air intake restriction, we recommend that a vacuum gauge be used to ensure that a TURBO® Precleaner does not cause excessive restriction (at top engine R.P.M.) when installed on an oil bath type filter.**

# **turbo®**

A DREISON INTERNATIONAL COMPANY

## **turbo® II Precleaner GUARANTEE**

DREISON warrants the TURBO® Precleaner to be of adequate material and good workmanship to satisfactorily perform all functions which are defined and limited by the DREISON product specifications.

The company's obligations under this warranty are limited to replacement without charge for parts or complete units which the company determines to be defective. The time limitations for such replacement will be within (1) one year from the date of purchase or 3000 hours of use, whichever occurs first.

DREISON will not assume transportation or other charges involved in such replacement. This warranty does not apply to units damaged by abuse, neglect or misuse.

Fill out the following information and keep for your records. For parts and service, return the entire unit to your local dealer or to: TURBO PRECLEANERS, 4540 West 160th Street, Cleveland, Ohio 44135-2629.

Date Purchased \_\_\_\_\_ Serial No. \_\_\_\_\_ Model No. \_\_\_\_\_

Dealer's Name \_\_\_\_\_

Dealer's Address \_\_\_\_\_

### **PRECLEANER INSTALLATION INSTRUCTIONS**

1. Remove the rain cap from the air intake pipe.
2. If the diameter of the intake pipe is smaller than the opening in the base of the precleaner, use the plastic rings packed in the carton to adapt the precleaner to the pipe.
3. When placing the precleaner on the air intake pipe, make sure it is set all the way down so the slots in the base are completely covered.
4. Tighten the clamp.
5. If the exhaust pipe is nearby, make sure the precleaner is at least 12" below the top of the exhaust pipe to prevent intake of harmful exhaust gases.

Your TURBO® Precleaner is now ready for operation.

Although the TURBO® Precleaner requires no periodic maintenance, it should be checked occasionally to make sure that foreign materials have not plugged intake area or exhaust port area. Accessory pre-screens are available to protect your TURBO® Precleaner from large airborne materials.

**NOTE: Since dry type filters and oil bath type filters are quite different in regards to the allowable amount of air intake restriction, we recommend that a vacuum gauge be used to ensure that a TURBO® Precleaner does not cause excessive restriction (at top engine R.P.M.) when installed on an oil bath type filter.**

**turbo® INDUSTRIES**

A DREISON INTERNATIONAL COMPANY



## Guarantee

Maradyne Corporation warrants the *Flex-n-line* precleaner to be of adequate material and good workmanship to satisfactorily perform all functions which are defined and limited by the Maradyne Corporation product specifications.

The company's obligations under this warranty are limited to replacement without charge for parts or complete units, which the company determines to be defective. The time limitations for such replacement will be within (2) years from the date of purchase or 5000 hours of use, whichever occurs first.

Maradyne will not assume transportation or other charges involved in such replacement. This warranty does not apply to units damaged by abuse, neglect or misuse.

Fill out the following information and keep for your records. For parts and service, return the entire unit to your local dealer or to: MARADYNE CORPORATION, 4540 West 160<sup>th</sup> Street, Cleveland, Ohio 44135.

Date purchased. \_\_\_\_\_ Serial No. \_\_\_\_\_ Model No. \_\_\_\_\_

Dealer Name. \_\_\_\_\_

Dealers Address. \_\_\_\_\_

### Flex-n-line Installation Instructions

1. The *Flex-n-line* unit is designed to be installed in-line in the vehicle's air intake system, upstream of the air filter canister.
2. Attach the outlet side of the pre-cleaner to the intake side of the air filter canister. A rigid spacer may be required to make this connection. The outlet extension is designed to be clamped over the spacer or solid piping. A 3" T-bolt clamp is provided for this.
3. Attach a flexible hose over the inlet extension of the pre-cleaner. An additional clamp will be required to make this connection. The inside diameter of the flexible hose must be a minimum of 3.5" (88 mm) to avoid creating restriction and turbulence coming into the unit. This hose should lead to the clean air intake point of the vehicle.
4. On some installations additional support for the pre-cleaner will be required. An optional support bracket (P/N 21-1330107) is available from the factory.
5. The unit is designed to operate at a maximum ambient temperature of 110° C.

**\*See Reverse for application diagram**

Although the *Flex-n-line* requires no periodic maintenance, it should be checked occasionally to make sure that unit is air tight, and that there are no cracks in the intake hose, and no foreign materials have plugged the intake area.

This unit is designed for use with a single stage air filter. Restriction and separation data is available from your distributor.

