

# GI-1 WASHER

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**CINCINNATI**

This **ALVEY WASHING EQUIPMENT** machine was installed by

\_\_\_\_\_  
(lead installer)

on the day of

\_\_\_\_\_  
(month / day / year).

Serial #: \_\_\_\_\_

Customer PO #: \_\_\_\_\_

Manufacturer SO #: \_\_\_\_\_

For parts and services, call

**ARMOR AFTERMARKET**

at

**1-800-725-9957**

or email [partsandservice@armoraftermarket.com](mailto:partsandservice@armoraftermarket.com)

Dear Valued Customer,

Thank you for your trust in, and relationship with Alvey Washing Equipment. We hope you have many years of uninterrupted service from our product.

If you need parts, service, or support, contact **ARMOR AFTERMARKET** at 1-800-725-9957, or email [partsandservice@armoraftermarket.com](mailto:partsandservice@armoraftermarket.com). Some advantages of requesting **ARMOR AFTERMARKET** to fill your replacement parts orders are:

- Being the original manufacturer of this equipment offers simplicity in order replacement.
- We are entitled to original equipment manufacturer discounts, which are passed on to our customers.
- Non-stock items are available for direct shipment.
- It is our primary responsibility to serve you in a timely and professional manner.

A suggested spare parts list for your machine is included in the manual.

After-hours support line: 1-800-725-9957

Email: [partsandservice@armoraftermarket.com](mailto:partsandservice@armoraftermarket.com)

Sincerely,

**THE ARMOR GROUP, INC**

Documentation and Manual Team and The Parts and Service Department

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The following is an excerpt from the standard Cincinnati Industrial Machinery, Inc. Terms and Conditions.

**ADDITIONAL MATERIAL AND LABOR** - Any material added to, or labor performed on or in connection with the Equipment or installation thereof, shall be at Purchaser's own expense, unless otherwise agreed to in writing by Manufacturer.

**SAFETY DEVICES** - Manufacturer will supply such safety devices or fire protection equipment as is specified in writing in its proposals. If Purchaser desires or requests through local, State or Insurance Underwriter's Specifications or regulations, other additional safety devices or equipment, Manufacturer will undertake, without being obligated therefore, to furnish same at Purchaser's cost. Manufacturer assumes no liability for loss or damage to persons or property occasioned by any accident or casualty resulting from the use of fuel gas, fuel oil, oven or immersion tube atmosphere gas in connection with the Equipment.

**USE OF SPECIFICATIONS AND DRAWINGS** - The drawings, designs, specifications and data accompanying any proposal are Manufacturer's property and are subject to recall by Manufacturer at any time. Such drawings, designs, specifications and data, or any part of them, shall not be used by Purchaser for competitive bidding or similar purposes without Manufacturer's prior written approval.

**CLAIMS / LIABILITY** -

a) Manufacturer shall not be liable for loss, damage, detention, or delay resulting from causes beyond its control or by acts of God, including floods, and acts of foreign nations, or caused by fire, strike, civil or military authority insurrection or riot, embargoes, car shortages, wrecks or delay in transportation.

b) Manufacturer shall have no responsibility for loss or damage to the Equipment after delivery to the carrier.

c) Manufacturer's liability arising out of the supplying of the Equipment or its use shall not under any circumstances exceed a credit of the purchase price, F.O.B. Manufacturer's factory, of the Equipment.

d) IN NO EVENT SHALL MANUFACTURER BE

LIABLE FOR LIQUIDATED DAMAGES, OR INDIRECT, OR CONSEQUENTIAL DAMAGE OF ANY NATURE.

**WARRANTIES** -

a) Manufacturer warrants to Purchaser that the material and workmanship of the Equipment is of good quality and free of defects and the Equipment of its own manufacture and design delivered hereunder shall be of the kind and quality described in the specifications, and that it shall be suitable for performing the work therein described; provided, however, that the work for which it is intended shall have been fully and adequately presented, shown and described to Manufacturer. Unless otherwise agreed to in writing, our standard warranty period is twelve (12) months after shipment from our facility.

b) EXCEPT AS SPECIFICALLY PROVIDED IN (a) ABOVE, MANUFACTURER MAKES NO WARRANTY, EXPRESS OR IMPLIED, RELATING TO THE EQUIPMENT, ITS MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

c) Manufacturer does not provide a separate warranty for parts or components not manufactured by Manufacturer. Equipment, parts and accessories made by other manufacturers are warranted only to the extent of the original manufacturer's warranty to Manufacturer, which if extendable, Manufacturer will extend to Purchaser.

d) In the event of Manufacturer's breach of its warranty as provided in (a) above, Manufacturer's total liability shall be to repair or replace the Equipment and in no event shall Manufacturer have any liability for any consequential, incidental or other special damages, including but not limited to damages or loss of profits resulting from failure of the Equipment or delay caused by its repair.

e) All transportation costs of returning defective goods shall be borne by Purchaser. All transportation costs of returning repaired or replaced products to Purchaser shall be borne by Purchaser.

f) This warranty shall not be in force and effect unless: Purchaser is current with all payments due to Manufacturer; Purchaser gives Manufacturer immediate notice of defective part or parts; Purchaser affords the Manufacturer the opportunity to inspect defective part or parts; material is still property of the original owner; material is still part of the original installation operating under normal usage (eight



### Warranty (Cont)

hours per day and five days per week constitutes normal usage); and material is properly maintained and lubricated per factory instructions.

g) THE ABOVE WARRANTY DOES NOT COVER PARTS WHICH UPON INSPECTION ARE DETERMINED BY MANUFACTURER TO HAVE BEEN SUBJECTED TO MISUSE, NEGLIGENCE, ALTERATIONS, ACCIDENT, ABUSE, DAMAGE BY FIRE, FLOOD OR OTHER SIMILAR CASUALTY.

**PATENTS** - Manufacturer shall hold Purchaser harmless from any and all costs and damages which shall be recovered against Purchaser in any suit at law or in equity for any infringement of any Letters Patent by reason of the use by Purchaser of the Equipment.

herein specified; provided and upon the express condition that the Equipment is used in the manner directed and exclusively for the purpose for which it is sold without any changes and installed or used in compliance with Manufacturer's plans and instructions, and upon further express condition that Purchaser shall immediately after service of the writ in any such suit at law or in equity notify Manufacturer in writing of the commencement of such suit, giving the names of the parties and the title of the court, and shall permit Manufacturer to defend same by its own counsel and at its own expense and to have exclusive control and management of the defense, and that Purchaser shall give Manufacturer all needed information, assistance and authority to enable Manufacturer to defend such suit.

**INDEMNIFICATION** - Purchaser agrees to indemnify Manufacturer, and hold Manufacturer harmless from, all costs and expenses incurred by Manufacturer, including, without limitation, costs of investigation, attorneys' fees, and amounts paid in settlement or satisfaction of claims, proceedings, or judgments, in connection with all claims and proceedings against Manufacturer based upon claimed defects in design in any item or items manufactured for Purchaser by Manufacturer to Purchaser's design and/or specifications.

**Overview**

The Alvey GI-1 Washer is a large capacity, completely automatic, stainless steel, washer designed to wash oversized trash bins in a single operation.

**GI-1 WASH CHAMBER**

- Nozzles are designed for impingement on both inside and outside of cans.
- Accepts cans up to 36" high x 22" diameter.
- Removable filter basket for easy cleaning.

**GI-1 WASHER HOUSING**

- 14 gauge 304 stainless steel construction.
- Adjustable sanitary feet.
- Compact space saver design

**GI-1 WASHER FEATURES**

- Programmable cycle time.
- Completely self-contained.
- Safety door limit switch.
- High volume processing.

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### Selecting a Location

In selecting a location for your washer, the following factors should be given consideration.

- Near utilities required (see dimension sheet).
- Near an outside wall.
- Ample floor space.
- Easy access for inspection and maintenance.
- Accumulation area for cleaned and soiled cans.

### Receiving and Spotting

The machine will be received in one main section completely assembled.

After machine has been removed from the shipping crate, spot in the desired location. At this time, make sure machine has enough clearance all the way around for future maintenance and removal of components. Machine can also be leveled at this time by adjustment of the legs. Make sure there is weight on all four (4) legs after adjustment. Inside the washer, you will find shipping bands or wires holding the spray pipe assembly in place. **Make sure these bands are removed at this time.**

### Service Connections

Refer to dimension sheets for location of each service connection.

#### 3/4" FNPT COLD WATER CONNECTION

#### 3/4" FNPT HOT WATER OR STEAM CONNECTION

#### 3/4" FNPT HOT WATER RINSE CONNECTION

#### 2" MNPT DRAIN CONNECTION

- Cold Water consumption per cycle: 15.75 Gallons.
- Steam Spray: 1.04 lbs/hour OR
- Hot Water Spray: 10.5 Gallons
- Hot Water Rinse: 5.25 Gallons

### ELECTRICAL WIRING

The machine has already been internally wired; all that is required is to make a connection to the outside power lines.



**Caution:** It is recommended that a fused safety switch be provided in the line to disconnect the circuit to permit work to be done on the machine without danger of shock. The outside power line should be connected to L-1, and L-2 on the terminal block (See Wiring Diagram inside control panel).

### Notes:

- Internal wash/steam/rinse piping will be of copper construction complete with all brass fixed nozzles and a stainless-steel rotating nozzle.
- External piping will be stainless steel construction.
- The washer is complete with door limit switch, vacuum breaker, solenoid valves, and check valves.
- Pressure regulation of the steam and water utilities is required for proper operation of this equipment.
- Pressure regulators are not included, and it is the customer's responsibility to provide and ensure the above specified operating pressures & ranges are maintained.
- Seismic considerations not included. Seismic restraint provisions optionally available.



**Sequence of Operation**

1. Open washer doors and place can upside down within wash chamber.
2. Close doors, making door limit switches.
3. Turn the Selector Switch "Cycle Start" to start to begin cycle. The cycle ON light (1LT) will light. The washer will begin the Cold Water Pre-Wash. After this cycle, the next cycle to be activated will be the Steam Wash Cycle followed by the Hot Water Final Rinse cycle.

**Service and Maintenance**

Inspect nozzles, particularly the rotating nozzle, at least once a week for clogging. When clogging occurs, remove nozzle for cleaning. When replacing, always return nozzle to its original position. The adjustment of the nozzles has been made by the factory and is located in a pattern for the best performance.



**Note:** For efficient operation and cleanliness, it is desirable to flush out the inside of the machine after the final operation of the day.



PROBLEM	DIAGNOSIS	CORRECTIVE ACTION
<b>ELECTRICAL</b>		
Machine will not start.	Door not fully closed.	Ensure the door are closed.
	Faulty door switch.	Check and replace door switch, if required.
	Faulty timer.	Check and replace timer, if required.
<b>SPINNING NOZZLE ASSEMBLY</b>		
Nozzle will not turn.	Nozzle frozen / jammed.	Remove nozzle and flush out. Check to insure nozzle spins freely before reinstalling.
Excessive play in arm.	Hub loose.	Tighten or replace hub assembly.
<b>WASH</b>		
Cycle will not shut off.	Faulty timer.	Check and replace timer, if required.
	Dirty solenoid valve. (Piston sticking open.)	Clean solenoid valve and ensure piston operates freely.
	Faulty solenoid valve coil.	Check and replace solenoid, if required.



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