

# Installation of the Incomaster

Please refer to the actual operation and maintenance manual with the machine for actual installation as we refer the right to update specifications as required.

### BUILDER/INSTALLER

#### Machine Location

1. Bear in mind the location and availability of power, water supply and drainage. Sufficient space should be allowed for the removal of the front panel. The floor space for mounting should be flat, level & even.
2. Establish the required position for the Incomaster & place the supplied drilling template accordingly.
3. Drill suitable holes to accept preferred M8 expanding fasteners.
4. Locate unit and bolt down.

### PLUMBER

Incomaster needs a supply of cold water, drain connection and overflow. Drain service is connected to the machine through the rubber flap situated at the rear of machine.

### Cold water supply

A flexible hose with a 3/4 inch BSP nut is supplied for the customer's water outlet supply which can be from the standard main if the flow rate is adequate. To optimise the water supply to your Sluicemaster during operation, your machine is fitted with a flow restrictor in the inlet pipe connection. This restrictor balances the water requirements of the machine to your water supply pressure.

If your water supply pressure is high then you will hear the water "hiss" as it flows into the machine, and/or the solenoid will operate more than twice in a cycle (you will be able to hear the water supply come on and off to indicate that the solenoid has operated). If your water pressure is low, then the orange low water light will come on at the end of the cycle for an unacceptably long time. The machine is supplied with a set of three restrictors, with the mid sized 4mm restrictor already fitted. If the orange low water light is on for more than 5 seconds at the end of the cycle, then you should fit a larger restrictor or remove the restrictor completely. The restrictor is fitted on the cistern side of the solenoid in the cabinet.

If the solenoid is operating more than twice in any cycle (ideally the solenoid will operate once, but twice is acceptable), or if you are experiencing a lot of water "hiss" then fit a smaller restrictor. Keep the unused restrictors in the machine cabinet in case you may decide to alter this setting at a later date. (See Manual for full details).

### Points to watch

- ☆ Ensure that the supply line to the unit is at no point less than 15mm - larger if the available head is very low. (Minimum supply 8 lpm)
- ☆ Ensure that the supply cannot be starved by other Fittings.
- ☆ Fit an easily accessible full-way isolating valve close to unit. (Not supplied).

### Drain connection

The unit has a 50mm 'P' trap inside the cabinet terminating in a compression fitting suitable for copper or plastic pipework. The outlet is for rear connection. Fitting a slow bend/elbow will allow for alternative connections through the floor/to the right/to the left.

### Points to watch

- ☆ Ensure that the route taken to soil drain is the shortest, ideally less than 2m from the soil stack, with a minimum number of bends.
- ☆ If necessary, use long radius or 'swept' bends - never short or 90 degree elbows.
- ☆ The waste must be run separately to the soil stack or drain.
- ☆ Ensure that there is a fall of a minimum of 1:25 or sufficient to maintain a self-cleansing velocity.
- ☆ Provide easy access for rodding.
- ☆ Ensure a clean run inside pipework - no burrs or reducing shoulders.
- ☆ With plastic pipework ensure no reduction in bore size and adequate support for horizontal runs to prevent sagging. Remember ceiling voids can get very warm.
- ☆ Avoid running the drain line near or across hot water pipes.

### Overflow

The machine is a Regulations Advisory Scheme approved product, with protection from contamination to the water supply provided by a Type 'A' air gap to BS6281; Pt1:1992. In addition there is a conventional warning pipe overflow from the integral cistern which needs to be run to a suitable position. A polypropylene fitting is fitted on the cistern for customer connection using a 3/4 inch push fit fitting.

### Points to watch

- ☆ Ensure that discharge from the overflow is visible.
- ☆ Do not connect the overflow directly back into the soil drain.

### ELECTRICIAN

Incomaster is supplied for either single phase (2 wires and earth, L, N, E) or three phase (4 wires and earth L, L1, L2, L3, N, E) supplies. Refer to table 1 for rating details.

Isolator - The installer shall supply a 20 amp rated isolator (2 pole for single phase machines), installed close to the machine in an accessible position. Isolator to be fused in accordance with table 1. Fuses - MCB to BS3871 Pt 1, type 4 or Fuses to BS88 HRC.

Table 1. Isolator fuse ratings

Supply	Motor Rating	Full load current	Isolator fuse (s)
Single phase (230V)	2.2kW	8.5A	20A
Three phase (400V)	2.2kW	4.8A	16A

### Connection for Incomaster

Remove the control box cover taking care not to damage the integral membrane ribbon. Access for the supply cable is via a removable supply plate, with a conduit connection, below the rear left hand side of the cabinet top. Feed the mains supply cable through the removable supply plate & up through the grommet adjacent to the terminal connection block. Connect the wires to the terminal block and grounding stud. Ensure no foreign material accidentally falls into the cistern as this will cause blockages in the pump. Refit and tighten the removable supply plate & control box cover ensuring the membrane ribbon to the Printed circuit board and the supply wires are not trapped.

The thermal relay overload should always be set for a value corresponding to the rated current of the motor. The overload is pre-set before leaving the factory and will automatically reset after operation.

### The unit is designed to operate in one direction of rotation only:

In a clockwise direction when looking into the hopper. Running in the opposite direction will impair performance. Clockwise direction of rotation for single-phase units is set at the factory.

### In order to check direction of rotation (3 phase only):

If incorrectly wired the Incomaster can run in reverse. The water pressure delivered by the pump is greater when rotational direction is correct. A black line is marked on the diagnostic tube within the machine at the correct point when factory tested prior to despatch.

If during installation testing the water in the tube fails to reach the black line, the motor is rotating in the wrong direction. To rectify, reconnect supply wires to obtain correct phase orientation either at the isolator or machine terminals.

**WARNING: This procedure to be carried out by an authorised electrician.**

### Points to watch (single and 3-phase)

Earthing must be in accordance with I.E.E regulations.



Easy servicing



# The Advanced Incontinence Waste Disposer

# INCOMASTER

With a touch of Intelligence

The low cost solution...

No Storage

No Collection

No Smell



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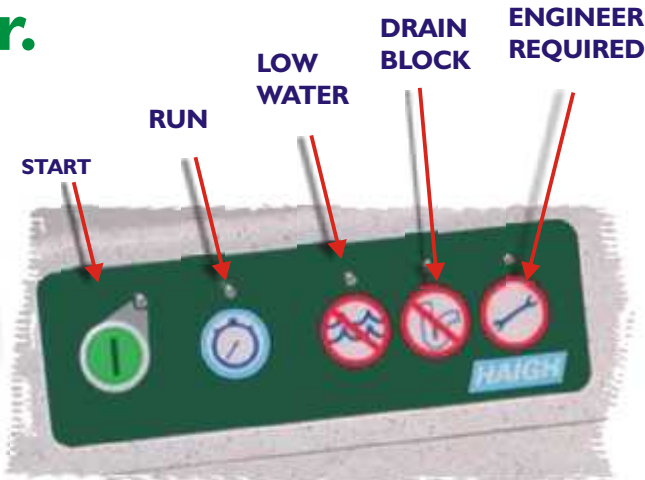
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# Constantly improving the ease of use and design of the Incomaster.



**NO COLLECTION** ✓  
**NO STORAGE** ✓  
**LOW RUNNING COSTS** ✓  
**EASY SERVICING** ✓  
**FAST** ✓



KEY TO MEMBRANE CONTROL LIGHTS

### No Collection

With the Incomaster you save money by avoiding the need for costly 'collection services' which with today's ever increasing fuel prices are not getting any cheaper.

### No Storage

The Incomaster does away with the need to bag and store smelly incontinence waste, this has to improve working conditions for the staff concerned.

### Low Running Costs

With the Incomaster you only require mains cold water supply and a minimal amount of electricity, in fact you can run 12 cycles per unit of electricity.

### Servicing

The latest Incomaster has been designed to last for many years of continual operation, even the wear items have been designed for quick and simple replacement, one spare set is supplied with each machine and the necessary tools to change them.

### Fast

It only takes one minute forty five seconds to dispose of four smaller pads or two very large ones. Because running costs are low, we recommend operating the machine after every loading.

### Noise

The Incomaster is no more noisy than a commercial washing machine but if it is going to be used at night it is better not to be located on a sluice room wall where patients sleep the other side.

### Only Disposables

The Incomaster disposes of incontinence waste only, anything else such as other clinical items like rubber gloves can cause serious damage.



LATEST COMPUTER AIDED DESIGN



- EASY TO USE . . .** 1) **PADS IN** 2) **CLOSE** 3) **START** . . . **AND LEAVE**
- HYGIENIC . . .** Water curtain cleans hopper & impeller
- FAST . . .** Processes two large or four small pads in less than two minutes
- QUIET . . .** Low noise level
- ENGINEERED TO SIMPLICITY . . .** Years of refinement in manufacture
- EFFICIENT . . .** Pads broken into fine macerated particles
- LOW COSTS . . .** Water saving measures incorporated
- EASY INSTALLATION . . .** Cold water, Electricity and Drainage
- LOW MAINTENANCE . . .** No chemical clean or regular temperature check
- INTEGRAL UNIT . . .** Fits existing sluiceroom layout

### How the Incomaster works

**Simple** - Walk up to the machine, push handle forward and the lid rises smoothly. Insert incontinence waste, lower lid and engage handle lock. If ready light is illuminated press start button to start disposal cycle.

**Disintegrating** - The Incomaster works by an ingenious combination of cold water and cutting the pads or nappies into small pieces. The residue is then passed into the sewer and disposed of in the normal way.

**Motor** - A single high performance electric motor powers the Incomaster with the disintegration impeller at one end of the shaft and the pump at the other. This compact and efficient design keeps things simple, while making any long term servicing easy, as the entire module can be removed in a few minutes.



**HEIGHT 950MM**  
**DEPTH 600MM**  
**WIDTH 453MM**

**NOW WITH EASY  
BLADE BLOCK CHANGE.  
TOOLS AND SPARE  
SET INCLUDED.**

### The Intelligent Part

**Microprocessor**- The rom chip built into the control gear has a preset memory which enables automatic system analysis during running, it even beeps when the cycle is finished.



**HAIGH**

**With a touch of  
Intelligence**



Easy, quick, convenient disposal at source, no storage...  
Easy operator blade change - spare set provided...