



Installation & Operators Manual

The Classeq Pass Through Range



HYDRO 857

HYDRO 957

Service ☎ 0844 2245 245 ✉ service@classeq.co.uk

Spares ☎ 0844 2245 252 ✉ spares@classeq.co.uk

Sales ☎ 0844 2245 249 ✉ sales@classeq.co.uk

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www.classeq.co.uk



Installation and Operation instructions

For pass through range of commercial glass & dishwashers.

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Useful Contact Details

www.classeq.co.uk

Service



0844 2245 245



service@classeq.co.uk

Spares



0844 2245 252



spares@classeq.co.uk

Sales



0844 2245 249



sales@classeq.co.uk

TO HELP WHEN CONTACTING PLEASE QUOTE THIS
SERIAL NUMBER

1.0 Safety instructions

1.1 Warning :



CAREFULLY READ THESE INSTRUCTIONS, BEFORE INSTALLING AND OPERATING THIS APPLIANCE.

PRIOR TO REMOVAL OF ANY EXTERIOR PANELS, ENSURE THE MACHINE IS ISOLATED FROM THE ELECTRICAL SUPPLY

INCORRECT INSTALLATION, ADAPTATIONS OR ALTERATIONS COULD RESULT IN INJURY OR DAMAGE TO PROPERTY.

MALICIOUS DAMAGE, DAMAGE DUE TO NEGLIGENCE, OR FAILURE TO COMPLY WITH THESE INSTRUCTIONS AND LOCAL LEGISLATION, OR UNAUTHORISED TAMPERING WILL INVALIDATE ANY WARRANTY AND RELIEVE THE MANUFACTURER OF ALL LIABILITY

DAMAGE CAUSED DUE TO THE LACK OF , OR INCORRECT USE OF A WATER SOFTENER, OR LIMESCALE DAMAGE WILL NOT BE COVERED BY THE MANUFACTURES WARRANTY

EACH DAY ALLOW MACHINE TO HEAT BEFORE FIRST WASH CYCLE

CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH, OR OPERATE THE APPLIANCE

1.2 Installation :

Installation should only be carried out by a '*Classeq*' approved technician, and in accordance with current regulations and within our instructions.

1.3 Modification :

'*Classeq*' reserves the right to modify either the appliance or the contents of these instructions without notice.

1.4 Operation :

The appliance should only be used by a trained operator as instructed in section 5 of this manual.

1.5 Failure / malfunction :

In the event of a failure / malfunction, the mains electrical and water supplies MUST be isolated at the wall and not just at the machine.

1.6 Repairs and spare parts :

The appliance must only be repaired by a '*Classeq*' approved technician, using genuine '*Classeq*' spare parts.

Please contact :

Service



0844 2245 245



service@classeq.co.uk

Spare



0844 2245 252



spares@classeq.co.uk

2.0 Your Classeq appliance

2.1 Unpacking :

Use suitable means and protective equipment to avoid injury whilst unpacking and handling the appliance. Remove all outer packaging and the protective film from the outer panels of the appliance prior to installation.

Ensure all packing materials are disposed of in accordance with local and national regulations.

2.2 Items included within appliance:

- 4 x Adjuster feet & associated screws
- 2 x Baskets
- 1 x Cutlery basket
- 1 x Water inlet hose
- 2 x Primary filters
- 1 x Drain plug (*Gravity drain machines only*)
- 2 x Bottle weights (*if applicable for Rinse Aid and Detergent tubes*)
- 1 x Installation and Operation Instructions (**Must** be left with the customer)
- 1 x Warranty card (**Must** be left with the customer)

3.0 Installation

3.1 The site :

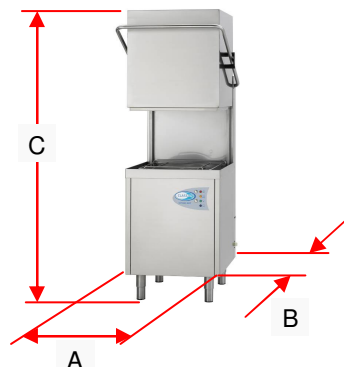
While removing the machine from its transit pallet, attach the 4 feet provided to the underside of the base (*using the associated screws*), ensure all screws are tight and each of the 4 feet are secure prior to installing the appliance.

Ensure that there is sufficient space for the installation, servicing and easy access to all mains isolator switches / valves (i.e. electricity and water).

Ensure that the surface the appliance is going to be installed onto is adequately stable and capable of supporting the appliance during normal operation, listed below are the approximate machine weights when fully laden during normal operation.

Once installed ensure the appliance is stable, with its weight being distributed equally on the 4 feet, also ensure the appliance does not tilt more than 3° in any direction. Any adjustment required should be made by the feet now attached to the appliance


Dimensions (mm)	Hydro 857 & Hydro 957	
Machine	'A' = Width	630
	'B' = Depth	720
	'C' = Height (hood open)	1890 - 1940
	'C' = Height (hood closed)	1470 - 1520
Machine fully loaded weight		130kg
Operating noise levels		<70db



3.2 Connections :

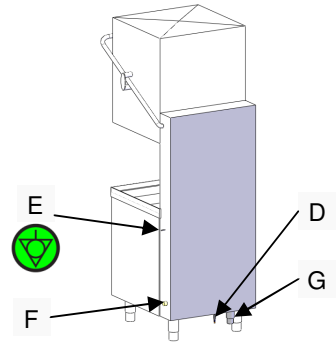
All mains connections are made at the rear of the appliance

D = Mains electrical supply lead




E = Earth bonding / Equi-potential stud 

F = Water supply connector (G 3/4")

G = Drain / waste water hose




To aid both installation and connection of the appliance, 'Classeq' recommends the following hand tools are used.

Recommended hand tools	
7mm - Spanner / nut runner / socket	 Wire cutters
 Electric screw driver (small)	 Spirit level

3.3 Electrical connection :

All electrical connections **MUST** be carried out by an authorised technician and in accordance with local regulations.

As a minimum 'Classeq' recommends that the following standards are maintained :

- All appliances are connected via a residual current device (R.C.D.) or earth leakage protection device.
- **EN 60204**
Supply isolator switch must have all pole separation of more than 3mm.
- **EN 60335**
The appliance must be connected to a equi-potential conductor , the connection stud is located at the rear of the appliance (a suitable ring terminal shall be required), this is in addition to the earthed electrical supply.

Prior to connecting the appliance, ensure that the voltage and the supply fuse complies with the rating plate on the appliance.

If the supply cable is damaged, it must be replaced by a cable or cord assembly supplied by Classeq, or its service agents, or to the following

Machine rating	Cable type	Temp. rating	Length of cable	Conform to
220-240V / 1N~ / 32A	PVC 3G 4.0	80°C minimum	2.75m	IEC 60335-2-58 & IEC 60227 types 56 & 57
220-240V / 3N~ / 13A	PVC 5G 2.5			
220-240V / 1N~ / 17A	PVC 5G 2.5			
380-415V / 3N~ / 22A	PVC 5G 6.0			

For electrical rating of appliance refer to rating plate located on appliance or in this manual.

3.4 Water connection :

The appliance comes with a water supply hose requiring a G³/₄" (¾" BSP) male threaded connection at the mains water supply, upon installation and commissioning all water joints must be checked for leaks.

New hoses supplied are to be used. Old existing, defective or damaged water supply hoses are NOT to be used when installing the appliance.

Commercial appliance wash results will be effected by external conditions such as incoming water temperature, pressure, harness and choice of chemicals.

For the longevity of any water related devices and to ensure you get consistently good results it is essential your machine is either fed from a soft water supply , or your Classeq appliance is connected to an appropriate water softener.

IMPORTANT - All supplier warranties are void if lime scale is present within an appliance.

FOR ADVISE on water softeners and appropriate chemicals, please contact :

Sales



0844 2245 249



sales@classeq.co.uk

3.4.1 Water supply restrictions :

Water supply constraints must be adhered to :

- Incoming water temperature
 - 4 °c minimum
 - 55 °c maximum
- Supply water dynamic pressure
 - 0 to 2 bar (0 to 200 kPa) Rinse booster pump required
 - 2 to 4 bar (200 to 400 kPa) No modifications required
 - 4 to 6 bar (400 to 600 kPa) Flow restrictor required
 - 6 bar plus (600 kPa plus) Pressure reducing valve required

If the above requirements are not adhered to, the performance of the appliance will be impaired

3.4.2 Drainage systems

All appliances require a Ø40mm (1 1/2") standpipe, appliances are available with pumped or gravity drain, they must all be installed onto either a running / 'P' trap to ensure hygiene:

- Drain pump appliances; flexible waste hose must be securely attached to waste outlet on underside of appliance. Gravity drain appliances this will be already attached
- Waste hose must be a close / tight fit into the drain standpipe to reduce odours from the drain system.
- To ensure correct drainage, the height the sites drain is from the floor / surface the machine sits upon MUST be within the following.
 - 0 to 300mm - Gravity drain machines
 - 0 to 600mm - Drain pump machines





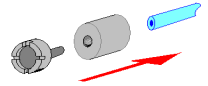
4.0 Commissioning

4.1 Rinse aid & detergent :

Chemical pump(s) are located behind the front lower panel, prior to removing any panels all electrical supplies **MUST** be isolated. An 10mm spanner is required for this operation.

A coil of PVC hose is attached to each chemical pump, un-coil PVC hose and feed through the hole at the rear of the base of the machine.

After to feeding the PVC hose into the chemical bottle, push the bottle weight supplied onto the end of each PVC hose.



Ensure the correct chemical tubes now go to the corresponding chemical bottles. (*i.e. rinse aid hose into rinse aid bottle*).



WARNING : Only rinse aids and detergents developed for commercial glass and dishwashers are to be used, rinse aids must be suitable for water temperatures down to 40 °C.

For more information, please contact :

Sales



0844 2245 249



sales@claseq.co.uk

4.1.1 Priming of Rinse aid & Detergent :

This procedure is only required when commissioning the machine and not in normal operation

- Ensure the machine is empty of water
- Switch the water supply OFF
- Now switch the machine ON at both the mains supply and at the fascia for 90 seconds only
- Now switch the machine at the OFF at the fascia
- Turn the water supply ON

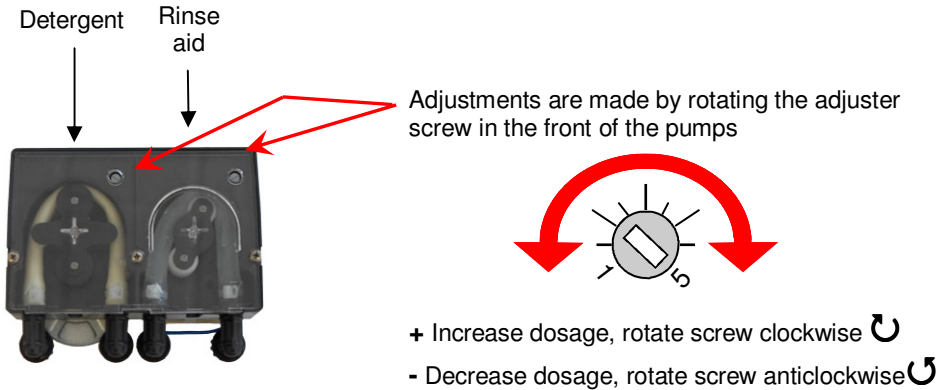
The rinse aide will now be primed, the machine can now be switch ON and allowed to fill & heat as normal.

4.1.2 Chemical dosage :

Chemical doses are pre-set, however they can be adjustment to suit the Individual sites requirements, such adjustment is made by turning an adjuster screw on each chemical pump.

4.1.2 Chemical dosage (cont)

The chemical pumps are located behind the front lower panel.



4.2 Rinse & wash tank temperatures :

The water temperatures on 'Classeq' range of machines are adjustable, but have been preset, and should never be adjusted above these temperatures.

Machine type	Temperatures	
	Rinse water	Wash water
Dishwashers	80 °c	55 °c

4.4 Demonstration :

'Classeq' recommends that prior to leaving the site / installation, the installer demonstrates the following to the end user, as this will ensure the appliance is correctly used

- What to do in case of an emergency, i.e. how to isolate the mains electricity and water (*see section 1*).
- Switching the appliance on.
- Operating the appliance.
- Draining down.
- Switch the appliance off.
- Clean the appliance, including removal and replacement of all filters.
- Replenishing and priming of rinse aid and detergent.

Upon completion of the installation and commissioning of the appliance, this manual MUST be left with the end user.

5.3 Switch the machine on :

Ensure that both the water and electrical supply are connected and switched on, then depress the 'ON/OFF' switch (1) located on the fascia of the machine.

The machine will now automatically fill and heat, during this process the hood must remain closed, allowing the process to be completed quickly.

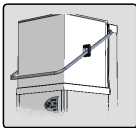
5.4 Machine ready to operate :

It is IMPORTANT after switching the appliance on each day, to allow 25 minutes before starting the first wash cycle; regardless of the fact that light (3) may already be illuminated.

The appliance is designed to start a cycle regardless of temperature, it will then extend the cycle to ensure the correct temperatures are achieved, therefore each cycle may vary in length if the appliance is not allowed to recover its temperatures

5.5 Starting a cycle :

To start a cycle, open the hood, for a minimum of 5 seconds, load the first basket, ensuring that bottom and top arms rotate freely



Close the hood, the cycle will now start, during the cycle the 'Cycle' lamp (5) will remain illuminated.



Once the 'Cycle' lamp (5) has gone out (at the end of the cycle) open the door and remove the basket, then reload the machine and repeat as required

5.6 Draining :

During normal operation your appliance will automatically drain away any excess water.

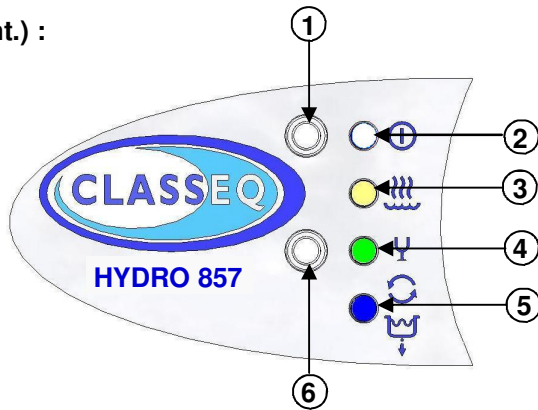
It is very important the machine is drained down at the end of each working day and the door is left open to allow drying.

The machine should never be left full of water if you are switching the machine off.

Gravity drain.

- Switch appliance OFF at fascia (1).
- Remove drain plug from wash tank.
- Your appliance should now drain under gravity.
- Once completed replace the drain plug and filters.

5.6 Draining (cont.) :

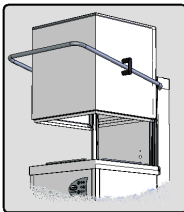


Drain pump appliances

- Switch appliance OFF at fascia ① .
- Open the hood, wait for the blue light ④ to go out, then close the hood
- The 'Cycle' lamp ⑤ will remain illuminated while the drain cycle is in progress (3 minutes), once completed the 'Cycle' lamp will go out.
- DO NOT open the hood while in the drain down cycle
- DO NOT isolate the appliance while in the drain down cycle
- Once fully drained the 'Cycle' lamp ⑤ has gone out isolate both the mains electrical and water supplies at the wall

Note !

Once empty '*Classeq*' recommends that the mains water and electricity supplies are isolated at the wall and the machine be cleaned as instructed in section 6 of this manual



For hygiene reasons it is recommended that once the appliance has been drained that the door is left open to assist in natural drying of the wash chamber

6.0 Cleaning

6.1 Prior to cleaning :



Switch off and isolated electrical supply before cleaning the appliance

WARNING



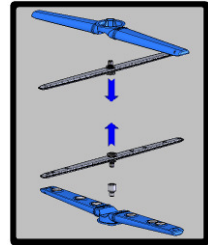
DO NOT use cleaning agents that contain CHLORINE, BLEACH or HYPOCHLORITE.

DO NOT use STEEL WOOL, WIRE BRUSHES or any other abrasive materials.

DO NOT jet wash or hose pipe the appliance down either internally or on the exterior

6.2 Internal cleaning :

Remove the wash and rinse arms from the appliance, once removed wash in warm soapy water, ensuring all debris are removed, before reassembling the arm

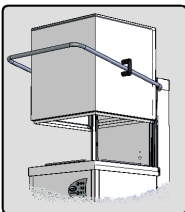


Remove all the filters from within the appliance and again wash in warm soapy water, ensuring all debris are removed.

WARNING

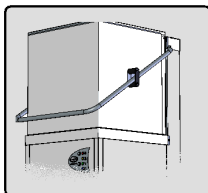


Before cleaning the wash chamber, ensure all sharp items, such as broken glass or other items which could cause injury are removed carefully



Now wipe the inside of the wash chamber ensuring any debris are removed and the chamber is clean. Reassemble all filters and wash arms.

6.3 Exterior cleaning :



Wipe the exterior of the appliance with a damp sponge (NOT WET)

Once dry, clean using a STAINLESS STEEL cleaning agent

**If you wish to purchase stainless steel cleaning agent, please contact :
Classeq Spares :**

Telephone : 0844 2259252

Email: spares@classeq.co.uk

7.0 Trouble shooting

- Before placing a service call , please check the following:
- Check the appliance is connected to the mains water and electricity supply and both are turned on.
- Check levels of chemicals within the rinse aid and detergent bottles.
- Check the drain / stand pipe is correct for the appliance (refer to section 3.3.2 of this manual).

NOTE

In the event of a service call being made under Warranty, and it is found that the fault(s) are due to non-observance of instructions in this manual, the call will be charged at current rates.

7.1 Appliance does not fill : Appliance does not start : Appliance does not rinse :

- Check water supply is turned ON.
- Check water supply hose is not trapped or kinked.
- Check that the appliance is switched ON.
- Drain appliance fully, then try again to fill the machine, drain as per instructions 5.6 of this manual..

7.2 Appliance fills slowly :

- Check water supply tap is fully open.
- Check water supply pressure, should be above 2 bar, if not ask your dealer to install a booster pump to increase water pressure.
- Check and clean rinse jets (located on the wash arms within the appliance).
- Check water supply hose is not trapped or kinked.

7.3 Appliance not heating :

- Drain appliance fully, then try again to fill the machine, drain as per instructions 5.6 of this manual..
- Check the temperature of the mains water, as variations in water temperature will affect the heating of the appliance.
- Check that the wash chamber is full of water.

7.4 Appliance not draining :

- Check and clean all filters within the appliance.
- Check that the stand pipe / drain is not clogged / blocked.

7.5 Poor wash results :

- Check and replenish chemicals, ensure they are a good quality, if required check with your dealer / agent.
- Check and clean wash and rinse jets on wash arm assembly.
- Clean filters within appliance and check that they are fitted correctly.

- Check water supply is ON and fully open.
- Rinse dishes of any food debris before placing into the dishwasher.
- Glasses may need to be renovated.
- If glasses are 'Blooming' you may need a water softener, call your dealer to advise on size of water softener required.
- If a water softener is fitted, replenish the salt within the softener, as per the water softener instructions.

7.6 Overfilling :

- Drain appliance fully, then try again to fill the machine, drain as per instructions 5.6 of this manual.
- Check and clean all filters within the appliance.
- Check that the stand pipe / drain is not clogged / blocked.
- If the appliance continues to overfill isolate both the mains electricity and water, before call a service technician.

7.7 Will not switch ON :

- Check and reset circuit breaker in the sites fuse board, if the circuit breaker continues to trip isolate the appliance at the mains electricity before calling a service technician.

7.8 Will not switch OFF :

- Isolate at mains electricity before calling for a service technician immediately.

If you still require service , please contact :

Classeq Service

Telephone : 0844 2259245

Email: service@classeq.co.uk

Or for Technical Enquiries

Email: tech-support@classeq.co.uk

8.0 De-commissioning

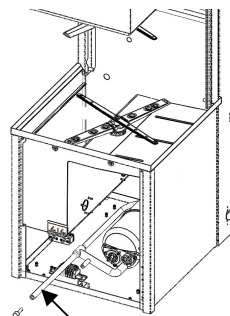
If for any reason you require to remove or, de-commission your appliance, then do so in accordance with local and national regulations. As a minimum 'Classeq' recommends the following procedure is followed.

- Remove chemical tubes from the chemical bottles, ensuring bottles are then capped to prevent any further spillage; refer to safety statement on chemical bottles prior to and for dealing with any spillage.
- Ensure the appliance is fully drained in accordance with section 5.6 of this manual, once completed remove the waste hose from the drain standpipe; ensure any spilt liquid is dried prior to advancing to the next step.
- Switch off mains electrical supply at wall / isolator / junction box.
- If the appliance is connected via an electrical plug, disconnect this from the socket.
- If the appliance is hardwired into the mains, then this must be disconnected by a qualified electrician in accordance with local and national wiring regulations.
- Once the electrical supply has been disconnected, ensure the equi-potential / earth bonding wire is removed from the stud at the rear of the appliance.
- Turn off the water supply to the machine; and disconnect water supply hose from mains water supply; ensuring any spillage is dried prior to moving onto next step.
- Remove the front lower panel, using a 10 spanner
- Now locate the 'Boiler drainage hose', as shown, ensure this protrudes from the front of the appliance, and you have a container large enough to hold 8 litres of water.



CAUTION If the appliance is being drain immediately after use, water draining from the 'Boiler drainage hose' may be up to 80°C.












- Loosen the jubilee / hose clip and remove the stainless steel drain plug, ensuring the water flows into the container mentioned above. Once fully drained replace the stainless steel plug and retighten the jubilee / hose clip.
- Replace the front panel, and ensure all cables and hoses are secured to the appliance to prevent tripping hazards. The appliance is now ready to be removed.



Boiler drainage hose



RECYCLING If you are recycling or disposing of your appliance, please ensure this is done in accordance with local and national regulations.

Description & Part number		Pass through	
		Hydro 857	Hydro 957
	Drain pump DP2	Optional	Optional
	Wash pump 0.74kW 522.0002	✓	✓
	Wash element 4.05kW 555.0005	✓	✓
	Rinse element 6.0kW 550.0001	✓	
	Rinse element 8.66kW 550.0004		✓
	Adjustable thermostat 542.0002	✓	✓
	Rinse aid pump 526.0007	✓	✓
	Detergent pump 526.0008	✓	✓
	Air pressure switch 530.0001	✓	✓
	3 pole relay CONT/30	✓	✓
	4 pole contactor CONTACTOR/4	✓	✓

If you wish to order any of the parts for your Classeq machine please contact our Spares Parts Department.

[Spares](#)



0844 2245 252



0870 224 7153



spares@classeq.co.uk

A comprehensive parts manual is available on the Classeq website:

www.classeq.co.uk

Affix
Stamp

CLASSEQ,
Winterhalter House
Roebuck Way
Milton Keynes
MK5 8WH



Thank you for buying a quality 'Classeq' product, please complete and post this form without delay

WARRANTY

Your new appliance is supplied with a full 12 months warranty, protecting you against failure due to workmanship or component failure

The information you supply to 'Classeq' is covered by the DATA PROTECTION ACT. This data will also assist us to speed up the process, if you require a service visit.

From time to time we may wish to contact you regarding any future developments, if you do not wish to be contacted please tick the box.

**AFIX
RATING PLATE
HERE**



YOUR DETAILS

SITE _____

ADDRESS _____

POST CODE _____

TELEPHONE _____

PRODUCT DETAILS

DATE OF PURCHASE / INSTALLATION _____

PURCHASED FROM _____

CONTACT NAME _____

POSITION _____

ARE YOU INTERESTED IN EXTENDED WARRANTIES ?

Please tick the box YES NO

