User's Guide

ZIP Hydroboil®

The Boiling water system that never runs dry

Zip®

INSTANT CHILLED OR BOILING
WATER AT YOUR FINGERTIPS

What Franke Hydroboil can do for you!

HYDROBOIL is a timesaver
No time is wasted waiting for water to boil. Boiling water is always available instantly, at a touch of the tap!

HYDROBOIL saves water
It will cut down on your water bill. There's no evaporation because no steam escapes and you only use the exact amount of water that you need.

HYDROBOIL saves electricity
The unit pays for itself. The recycled steam and high-efficiency thermal insulation helps cut power bills. Our patented dual chamber preheats the incoming water to 60° saving time and money. You also save power when you switch from kettles and urns. All the water that is boiled is used - no energy is wasted heating unused water.

HYDROBOIL protects the environment
The steam is fully contained. Paintwork, plaster, working surfaces and furnishings are fully protected from steam damage. No more curling, peeling, burning or staining.

HYDROBOIL keeps everyone happy!
It is the secret to a happy workplace. Instant boiling water is available around the clock, at a touch of the tap, for your convenience, yet keeping running costs low. Now there's no reason for anyone to get all steamed up again...

Cups required at any one time	Approx. Recovery Rate Per Minute	Element Rating kW	Litre Capacity	Width mm	Depth mm	Height mm
12 – 15	1 cup	1.5	2.5	250	150	431
25 - 30	1 cup	1.5	5	318	150	460
36 - 45	1 cup	1.5	7.5	310	180	460
50 - 60	1.5 cups	2.4	10	340	205	630
75 - 90	2 cups	2.4	15	370	290	630
120 - 150	3 cups	3.0	25	510	290	630
250 - 300	6 cups	2.4 x 3	50	855	290	630

Service Hints

Operation
Boiling water is obtained by pulling or pushing the lever on the tap of the Hydroboil and will be dispensed within the rated capacity so long as the lever is held. The Lever can also be flipped into horizontal position to remain 'on' for the filling of teapots or large containers, until flipped back to the vertical 'off' position. The safety tap has a quick 'OFF' action to minimize drips when the handle is released

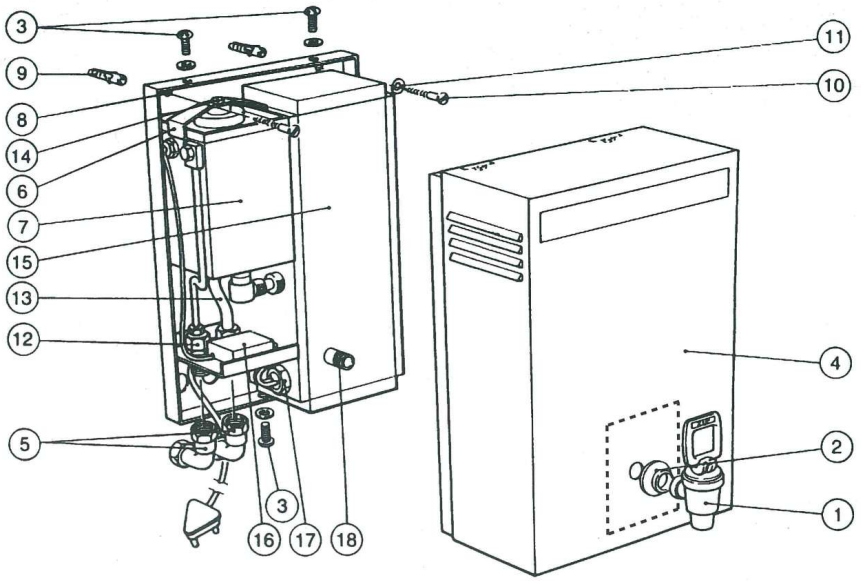
Cleaning
Never use strong, corrosive or abrasive cleaning materials on the Franke Hydroboil. Wipe clean the outer surfaces with a sponge or a soft cloth using a mild soap and water.

Safety shut-down
The Hydroboil is fitted with an automatic shut-down safety device that, in the event of prolonged over temperature, will automatically stop heating. The red indicating light on the front panel will remain 'on' so long as power is available and does NOT necessarily indicate that the Hydroboil is operating normally.

Vent outlet maintenance
The Hydroboil has a vented outlet that should have been plumbed to a suitably safe and visible position when it was installed. This vent must not be blocked. If you notice a constant discharge of water from the vent outlet you need to have the Hydroboil serviced.

Hard Water de-scaling
In hard water areas, the process of boiling causes any minerals in the water to solidify. These minerals deposit on the insides of the tank, the tap, and onto the element, as scale. The continual build-up of scale can cause the Hydroboil to malfunction. This scale must be removed periodically to maintain efficiency and
correct operation of the Hydroboil. Depending upon the severity of the scale buildup, Zip recommends that de-scaling be carried out by a suitably qualified person every 6 to 12 months or when required in hard water areas. Contact your local supplier for more information regarding the de-scaling procedure.

Caution
There are no user serviceable parts within the Hydroboil. There are dangerous voltages and high temperatures present within the Hydroboil. Before calling for service, check your troubleshooting guide to locate the problem. This will assist your service agent in trying to resolve your problem. Call a plumber, or call the Franke Customer Care line in Southern Africa on 0861 372 653 for assistance, service, spare parts, or enquiries. All repair work should be carried out by a qualified tradesperson.



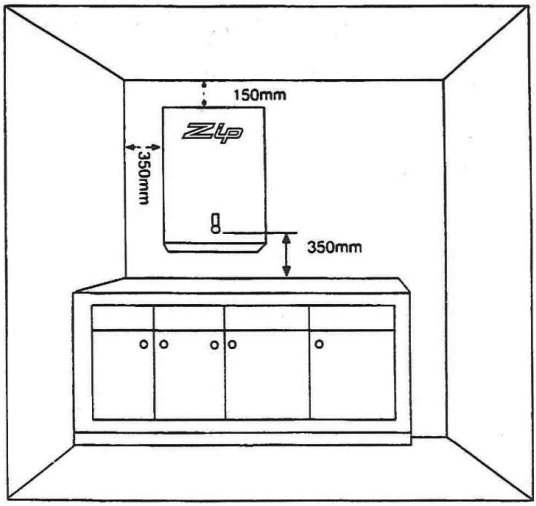
IMPORTANT NOTES

1. Please read entire procedure prior to commencing installation.
2. POSITIONING THE UNIT
   - Ensure the recommended ventilation measurements are in place.
   - DO NOT locate within easy reach of small children.
3. PLUMBING CONNECTIONS - Unions used when possible, for ease of removal and maintenance purposes.
   Water connection should be made through an approved isolating cock (provided with the unit - strainer valve and stop cock).
4. VENT / OVERFLOW - The vent / overflow line should run from the unit to a safe drainage with a downward slope to avoid blockage and allow for easy venting - 1.5m maximum.
5. Flush pipes before connecting Franke Hydroboil to water supply.
6. Check all plumbing for leaks before connecting to power.
7. Do not connect electricity supply before the unit has been connected to the water supply and the water supply turned on. The boiler tank, must contain a sufficient amount of water or else the element will be damaged when switched ON.
8. If the water pressure exceeds 400 kPa an approved 350 kPa, or less, pressure reducing valve must be installed in the cold water supply line.
9. The minimum working pressure is 100 kPa.
10. It is normal for the unit to discharge small amounts of steam and water from the vent/overflow outlet at the bottom of the unit or extended vent pipe.

INSTALLATION:

Step one (Preparing the unit for installation):

1. Fix and secure tap (No.1) to 15mm copper extension in a vertical position with outlet pointing down, if not already in place.
2. Remove cover screws and washers (No.3). These two located at the sides or at the top and at the bottom of the unit.
3. Remove the cover (No.4).
4. Fix conex fittings to inlet (left) connector (No.5). Fit elbows for concealed entry (i.e. rear entry) or straight connectors for bottom entry. Units with John Guest type fittings do not require conex fittings.



Step two (Installing the unit):

1. Position the unit on the wall and mark the key holes (No.8). NB. 150mm clearance at the top of the unit and 350mm to the sides of the unit is required for servicing.
2. Drill suitable holes in the wall. Insert the wall plugs (No.9) – not supplied.
3. Mount the unit on the wall with screws (No.10) and washers (No.11) – not supplied.
4. Ensure that the wall fittings are secure and able to SAFELY hold the weight of the unit, including the weight of the water-fill capacity.
5. Flush out water supply pipes to clear out any dirt or sediment and connect the water supply to the cold water inlet socket (No.12). NOTE : If sediment blocks the system, it is not repairable under the Warranty.
6. Connect the vent/overflow pipe to the vent socket (No.13) and extend vent/overflow pipe to allow for safe drainage into a sink or suitable waste. Note : The vent/overflow pipe must have an unrestricted continuous fall from the unit and not longer than 1.5m.
7. Turn on water supply and check for leaks.

Step three (Soon you will have boiling water!):

1. Ensure tap (No.1) is tight, in an upright position and not leaking.
2. Open the tap (No.1) until a constant stream of the water passes through.
3. Standing clear in a safe position, turn the electrical power supply ON. Do not attempt to adjust or touch any electrical wiring whilst the power is ON.
   NOTE : If the unit is not sufficiently filled with water, the element will be damaged and replacement thereof is not covered under the Warranty.
4. Once the water has boiled, drain at least 750ml of water. Check that the thermostat is working effectively, i.e. switching the element ON and OFF and that the unit is not over-boiling.
5. If all is in order, turn the electrical power supply OFF and remove plug from socket and then replace the cover (No.4), remembering to tighten all cover screws again (No.3).
6. Turn the power ON again and ensure that this "User Guide" remains in the possession of the intended user.
7. For any further information or if problems are encountered contact the Franke.

CONGRATULATIONS! You have just successfully installed our Franke Hydroboil and are ready to make yourself a refreshing cup of boiling hot tea or coffee.

Troubleshooting Guide

Symptom	Possible Cause	Solution
Runs out of boiling water and fails to refill	Failure of mains supply Ball valve nozzle blocked Ball valve jammed closed Blocked inlet strainer Blocked meter transfer tube	Check mains supply Clear obstruction Free ball valve Clean filter gauze
Fails to fill on initial fill	Blocked metering tube Airlock in transfer tube Blocked inlet strainer	Clear hole Clear blockage Clean strainer
Outlet tap drips	Lost tension in spring	Screw knurled cap down 1/4 turn or if unsuccessful then change seal and spring
Overflow from vent	Ball valve jammed open Ball valve seat damaged Water pressure too high	Free ball valve Replace jumper valve Reduce pressure to 400 kPa
Excessive steam from vent	Thermostat set high Failed element	Replace Replace
'Power ON' but not heating	Failed thermostat Failed element	Replace Replace
'Power ON' not on but heating	Light failed or dislodged	Check and replace
No heating, no 'Power ON' light	Failed mains supply Overload tripped or failed	Check mains supply See below
Mains power tripping when unit is switched on	Incorrect Wiring / Connections Element blown due to insufficient water in unit prior to switching power ON	Check mains wiring and Amp setting Replace element
Overload repeatedly tripping with excessive steam	Failed thermostat	Replace
Overload repeatedly tripping without excessive steam	Failed overload Blocked vent pipe Excessive back pressure	Replace Clear obstruction, refer to section 4 'Vent Outlet Maintenance' Re-plumb vent as per installation instructions

Zip Hydroboil Spares

Code	Product
480606	Cistern Lid Assembly Kit 1 X Cistern cover clip 1 X Cistern lid with reset button 1 X Cistern silicone seal
480607	Pilot Light Kit 1 X Pilot light 1 X Pilot lens
480578	0.65 kW Element Kit 1 X 0.65 kW element & gasket
480620	3.0 kW Element Kit 1 X 3.0 kW element & gasket
480579	3.6 kW Element Kit 1 X 3.6 kW element & gasket
480580	1.5 kW Element Kit (New) 1 X 1.5 kW element hex & gasket
480608	1.5 kW Element Kit (Old) 1 X 1.5 kW element Pink back 1 X Silicone flange
480609	1.5 kW Element Kit (L-Shape) 1 X 1.5 kW element L-Shaped 1 X Element nut 1 X Gasket
480581	2.4 kW Element Kit 1 X 2.4 kW element & gasket
480610	Jumper Valve Seal & Float Replacement Kit 1 X Jumper valve body s/s 4 X Jumper valve seal 1 X Float 1 X Nylon grub 1 X Nylon nut
480582	Float Valve Kit (Complete) 1 X Float valve assembly complete
480611	John Guest Fittings Kit 2 X 15 x 10 inlet & outlet JG 1 X 1 x 1/4 inch JG 1 X Stainless steel mesh inlet 2 X Horse shoe clip 15mm JG 2 X Horse shoe clip 10mm
480583	O-Rings Kit 10 X JG 10mm inlet reducer O-rings
480584	Scale Kleen Sachet Kit 2 X Scale kleen sachet (200 gr)

Code	Product
480612	Fascia Replacement Kit 1 X Escutcheon tap white 1 X Pilot light 1 X Pilot lens 1 X Fascia moulded plate white
480585	Tap Assembly Kit 1 X Tap assembly (Complete)
480613	Tap Sub-Assembly Kit 1 X Tap cap red 1 X Red tap handle 1 X Tap spring new 1 X Tap main shaft 1 X Seal cup tap (silicone)
480614	Thermostat Replacement Kit 1 X Thermostat 1 X Thermostat grommet 1 X Tank grommet
480586	Silicone tube 1 X 13 x 6 mm silicone tube per m
480603	Banjo Union Replacement Kit 1 X Banjo union 1 X Banjo union screw 2 X Banjo union "O" ring (gasket)
480587	Tap Extension Kit 2 X Tap extension (30mm)
480621	Contactor Replacement Kit 1 X Contactor BF25 220V
480622	Cistern Tank Silicone Seal Kit 5 X Cistern tank silicone seal
480623	Reset Overload switch Kit 5 X Overload switch (black wire)
480868	umper Valve Seal Kit 20 X Valve seals
480869	Reducer - 3/8" to 1/4" Kit 5 X Reducer J.G. - 3/8" to 1/4"
480870	Reducer - 15mm to 10mm Kit 3 X Reducer J.G. - 15mm to 10mm
480871	Valve body & Jet Replacement Kit 1 X Valve body & 'O' Rings 1 X Jet / Nozzle - st. steel

WARRANTY

ZIP HYDROTAP, HYDROBOIL AND CHILLER

Your Zip HydroTap, Hydroboil or Chiller is precision made from the finest materials available and should give many years of trouble free service.

Franke Kitchen Systems (Pty) Ltd, South Africa, warrants that, should any part fail within 12 months of installation, that part will be repaired or replaced by ourselves, our Accredited Distributor or Service Agent free of charge, except where the failure is due to accident, misuse, abuse or unsuitable water conditions, and the system is installed and used strictly in accordance with the installation instructions. This warranty excludes transport costs.

All defects resulting from incorrect use of the article, or any use other than the normal use are not covered by this warranty as well as damages caused as a result of tampering by unauthorized personnel.

This warranty does not cover damages resulting from non-operation or consequential damage to any other Systems, goods, furnishings or property. Zip / Franke Kitchen Systems does not accept responsibilities for indirect damages caused by the article or installation of the article.

Franke Kitchen Systems (Pty) Ltd

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