

User's Guide

ZIP Water Chillers

Clear, constant, chilled water on tap

Models: Chillmaster, Economaster and ChillTap



INSTANT CHILLED OR BOILING
WATER AT YOUR FINGERTIPS

Zip Chillmaster, Economaster and ChillTap

ZIP CHILLMASTER

PURE FILTERED CHILLED WATER

Chillmaster cabinets are manufactured from 0,77mm grade 304 stainless steel and all units are factory fitted with a bubbler and carafe spout dispensers. Plumbed-in directly to cold water inlet and waste systems, a steady stream of sheer, refreshing, chilled water is dispensed at a delivery rate of 42 litres per hour at 11°C.

The Chillmaster is a cost effective water chiller and a factory fitted water filtration system is optional on the units. The exclusive Zip activated carbon filter removes chlorine, odours and organic growths from the water and delivers pure, hygienic spring water.

ZIP ECONOMASTER

THE ECONOMICAL THIRST QUENCHER

Tough, 0,7mm white epoxy powder coated, electro-galvanised mild steel provides a durable exterior to this unit. A steady stream of sheer, refreshing, chilled water is dispensed at a delivery rate of 42 litres per hour at 11°C. Additional filtration optional. The Zip Economaster is a cost effective water chiller, fitted with bubbler a carafe spout. Plumbed-in directly to cold water inlet.

ZIP CHILLTAP

THE UNDER COUNTER, CHILLED WATER FOUNTAIN

Convenient snap-action lever tap supplies chilled water in offices, schools, factories and at home – neatly stowed away under the counter, but always on tap. The unit dispenses 42 litres of chilled water per hour at a constant 11°C. The unit cabinet is manufactured from 0,7mm white epoxy coated electro-galvanised mild steel. Filter and stainless steel counter bowl optional.

Introduction

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Your water chiller is designed to give you continuous chilled water at a touch of the tap.

Environmentally friendly

Zip leads the market with the introduction of environmentally friendly refrigerant R134A.

IMPORTANT

Connection should be made through an approved isolation cock (Duo valve back flow prevention and stop cock).

THIS UNIT IS DESIGNED FOR DIRECT CONNECTION TO WATER SUPPLY UP TO 400kPa. A pressure reducing valve must be installed to the inlet water line to safeguard against abnormal pressure. Where pressure exceeds this rating, a kPa pressure limiting valve is required. The pressure reducing valve is not supplied with the cooler.

INSTALLATION INSTRUCTIOS – FLOOR MOUNTED

1. POSITIONING THE CHILLER - VENTILATION

The unit must be positioned on level ground and have a minimum of 50 mm clearance from back and sides to allow free air flow.

DO NOT locate near hot air vents, radiant heaters, boilers or in direct sunlight, etc.

2. PLUMBING CONNECTIONS – Unions used when possible, for ease of removal

CAUTION: Flush all foreign matter from supply line before connection to avoid blocking the bubbler and filter, if fitted.

WASTE WATER TRAP. Connect the drain to the P-Trap provided. (40mm)

The drain line should run from the water cooler to the sewer as straight as possible, with as steep a

slope as the installation will allow to avoid pockets in which sediment may lodge.

Connect cold mains to 15mm female fitting market inlet, preferably a stainless steel flexi-hose connector.

3. Check all plumbing for leaks before connecting to power.

4. ELECTRICAL CONNECTION – A flexible 1.2m service lead and 3 pin 15 Amp plug are provided to connect the chiller to a 230V, 50 Hz AC supply.

5. Turn the power “ON”

6. Ensure that the thermostat is functionally by checking that the compressor and fan motor switch “ON” and “OFF” as required.

7. CHECK ALL PLUMBING FOR LEAKS AGAIN.

Service Instructions

REFRIGERATION SYSTEM. The entire refrigeration system is hermetically sealed. Should the system fail to operate notify the Franke Service Centre on 0861 FRANKE (372653).

WATER TEMPERATURE CONTROL. Control is automatic and has been set at the factory to provide drinking water at approximately 8°C to 12°C.
TAMPERING IN ANY WAY SHALL VOID WARRANTY.

BUBBLER STREAM ADJUSTMENT. The height of the water stream has been set and will automatically maintain this height, regardless of change in water pressure, within 140 to 400kPa (20 to 100 psi). Should a change in stream height be desired, the regulator may be adjusted as follows: Remove cover retaining nut on the bubbler which will expose the stream height regulator screw. Turn the screw clockwise to increase stream height or counter clockwise to decrease stream height. Replace cover and retaining nut.

MAINTENANCE. The condenser at the rear of the cooler needs to be kept free of dust and lint. It should be checked regularly and cleaned out with a brush or vacuum cleaner both on the inside and outside.

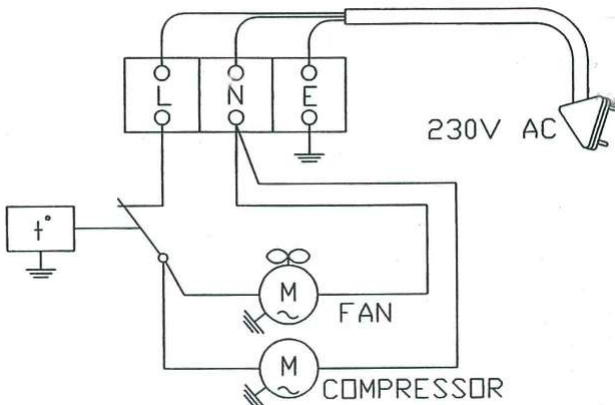
No lubrication of any kind is required on the cooler.

The cabinet exterior will require an occasional wipe with a damp cloth to retain its lustre. If it receives heavy handling and is in a dirty location, waxing the finish will increase its life.

BEFORE CALLING ZIP SERVICE

CHECK:

1. Service cord plug is correctly inserted.
2. Appliance is switched on at power point.
3. Should appliance still not operate, check power supply at power point by plugging in a known operating appliance such as an electric jug, kettle or lamp.
4. Water supply is turned ON.
5. Check for your fault on the attached troubleshooting guide and attempt to effect recommended action.



Troubleshooting Guide

FAULT	CAUSE	ACTION
1. Water doesn't flow from tap	<p>a. No water supply b. Blocked filter, bubbler or carafe filler</p> <p>c. Thermostat faulty or set incorrectly</p>	<p>a. Check water supply b. Clear blockage (for blocked filter-replace).</p> <p>c. Turn unit off. Leave off for two hours. Press Bubbler.</p> <p>If water flows: Set thermostat to cut out compressor at 5°C. (If compressor continues, replace thermostat) If water doesn't flow: See (b)</p>
2. Bubbler or carafe filler leaking	<p>a. Incorrect setting of bubbler or carafe</p> <p>b. Worn olive</p> <p>c. Worn cartridges</p>	<p>a. For bubbler and carafe – turn flow adjustment screw anticlockwise to stop leaking.</p> <p>b. Replace bubbler or carafe cartridges.</p>
3. Chilled water capacity drops	<p>a. Fan motor faulty replace motor</p> <p>c. Dirty condenser</p>	<p>a. Check wiring or b. Air in the evaporator</p> <p>b. For units built before 29/8/95 Reverse flow to purge the air from the evaporator, using kit 80160. To do this – remove the JG elbows from the evaporator and replace with two JG reducing elbows Part No PI 211008S (ZIP Kit 80160). This will allow the inlet tube of the evaporator to be switched with the outlet and will purge any air from the tank. The unit should then be left in this state.</p> <p>c. Clean condenser with vacuum cleaner.</p>
4. Water doesn't chill	<p>a. Compressor faulty b. Leak of Refrigerant</p>	<p>Check compressor is running</p> <p>a. Replace compressor b. Recharge unit with R134A refrigerant</p>

General Specifications

COMPRESSOR:

Hermetically sealed reciprocating type. 0.25 HP, 220v AC, 50 Hz single phase.

CONDENSER:

Fan cooled copper and aluminium finned type.

EVAPORATOR:

Sealed copper tank. Storage capacity 2.0 litres cooled by copper coil inside.

ELECTRICAL CONNECTIONS:

Insulated power cable, 2 metres long, with three prong 15 Amp moulded plug.

REFRIGERANT:

Refrigerant type R134A

REFRIGERANT CONTROL:

Capillary tube control.

No moving parts.

TEMPERATURE CONTROL:

Enclosed preset thermostat. Easy accessibility by removing front panel.

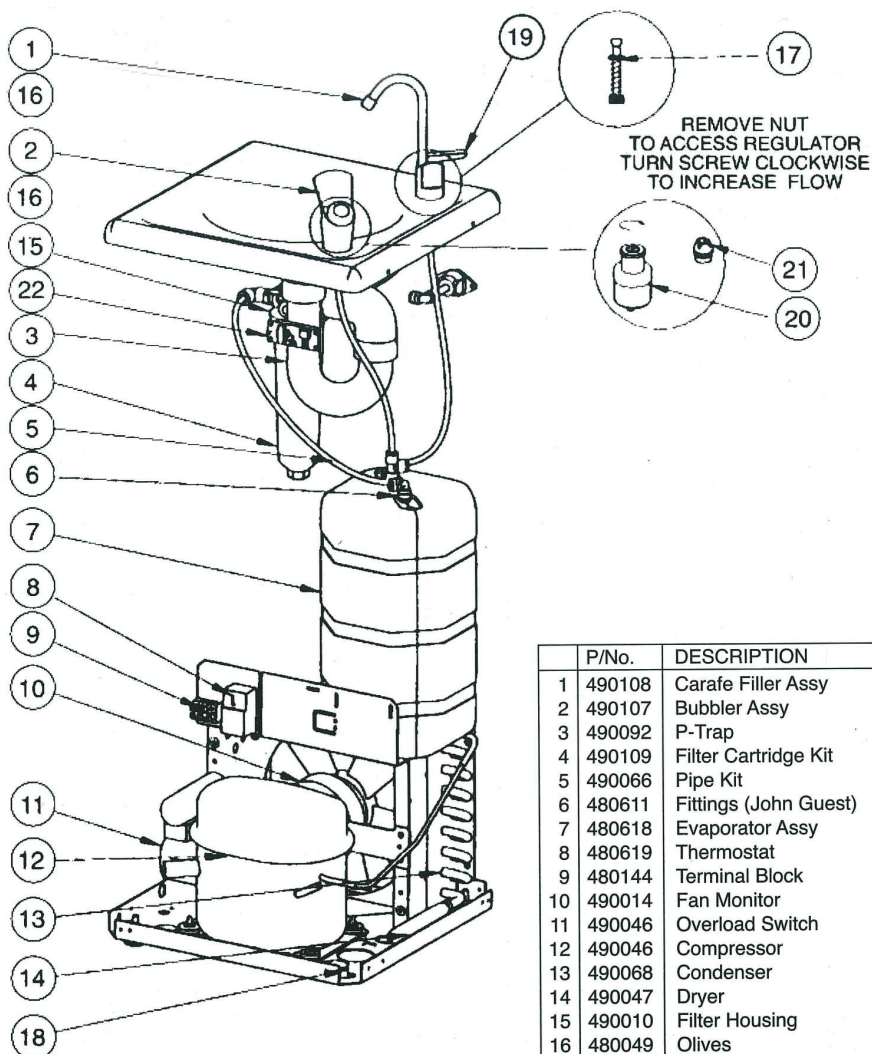
TOP:

Satin finish 304 stainless steel top.

BASE:

1,2mm Heavy gauge galvanised steel.

Spare parts Chillmaster/Econonmaster/ChillTap



	P/No.	DESCRIPTION
1	490108	Carafe Filler Assy
2	490107	Bubbler Assy
3	490092	P-Trap
4	490109	Filter Cartridge Kit
5	490066	Pipe Kit
6	480611	Fittings (John Guest)
7	480618	Evaporator Assy
8	480619	Thermostat
9	480144	Terminal Block
10	490014	Fan Monitor
11	490046	Overload Switch
12	490046	Compressor
13	490068	Condenser
14	490047	Dryer
15	490010	Filter Housing
16	480049	Olives
17	490010	Valve Assy (Filler)
18	490033	Grommet Feet
19	490111	Handle Carafe
20	490107	Water Regulating Assy
21	490107	Spout Assembly
22	490040	Light Filter Status

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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