

Installation manual Use and Maintenance

Rev. February 2010 Manual Cod-03

MITHIA



Caratteristiche ecologiche:

- ISO 9706 LONG LIFE
- Riserva alcalina > 2 %
- Completamente riciclabile e biodegradabile
- pH neutro (estrazione a freddo)
- Cellulosa bianchita impiegando processi ECF (Elementary Chlorine Free)
- Cellulosa proveniente da foreste "correttamente gestite"
- 94/62/CE (assenza di metalli pesanti)



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*Dear Customer,
Asset Srl would like to thank you and congratulate for your choice.*

Water is a vital and essential element. Water represents 70% of the human body and, every day, we ought to drink at least 2 litres of it to be in health and to refresh ourselves.

For this reason, the most important thing to do is to be sure of the goodness and quality of the water we daily drink.

This useful and functional dispenser is manufactured with the most modern and innovative technologies. Its quality materials are subjected to a rigorous control according to our company standard. All the materials and components are tested during the entire production process to satisfy your expectations.

We ask you to read and respect these simple instructions to guarantee the best results, since at the first use of the dispenser.

This manual includes important information, not only for the use but, also, for your safety and for maintenance; it is part of the machine.

1. Introduction

1.1 General information

The machine is realized in compliance with the directives in force in the European Community and with the required technical rules, as certified by the Declaration of Conformity issued by the Manufacturer and enclosed to the manual.

This publication, hereinafter simply called the "manual", includes all the information for use and for a safe maintenance of the device mentioned in the Declaration of Conformity.

This device, that in the course of the manual will be generically called "machine" or "dispenser", is manufactured by the company ASSET srl, whose details are indicated hereinafter in this publication.

This publication is intended for subjects, generically defined as 'users', who are intended to use the machine. In particular, they can be identified as follows:

- operators directly involved in transport, storage, installation, use and ordinary maintenance of the machine, from its launch onto the market up to the day of disposal;
- direct users.

The original text of this publication, drawn up in Italian language, represents the only reference for the settlement of possible disputes related to the interpretation of the translation in the community languages.

This publication must be considered as an integral part of the machine, and therefore it must be preserved for future reference up to the final disposal and scrapping of the machine.



fig.1.1 MITHIA

1.2 Aim of the manual

The aim of this manual is to give the indications to use the machine safely and to carry out the ordinary maintenance procedures.

Any calibrations, adjustments and extraordinary maintenance operations are not included in this booklet, since they are carried out exclusively by the service technician, that must operate on the machine in respect of the technical and project characteristics for which it was manufactured.

The machine intended use and configuration are the only ones admitted by the Manufacturer; do not try to use the machine disagreeing with the indications supplied.

Any other use or configuration must be previously agreed upon with the Manufacturer in writing, and be enclosed to this manual.

Concerning installation and use, the user must follow the specific laws in force in the Nation where the machine is installed.

The user is expected to know and consult the laws, directives, etc. recalled in the text in order to achieve the aims that the manual sets.

1.3 Where and how to keep the manual

This manual (and any possible enclosures related to it) must be kept in a protected and dry place, and always be available for reference.

It is recommended to make a copy of the manual and keep it in the archive.

Refer to the data of the machine identification label when exchanging information with the Manufacturer or with authorized assistance staff.

This manual must be kept for the whole life of the machine, and in case of need (for ex. damage that compromises consulting it also partially) the user must obtain a new copy by requesting it exclusively to the Manufacturer, indicating the publication code positioned on the cover.

1.4 Manual updating

The manual reflects the machine state of art at the time of its launch onto the market, being an integral part of it. The publication is compliant with the directives in force at that time; the manual cannot be considered unsuitable further to possible updates of standards or modifications on the machine.

Any supplements of the manual that the Manufacturer considers suitable to send to the users, must be kept with the manual and become an integral part of it.

1.5 Cooperation with the user

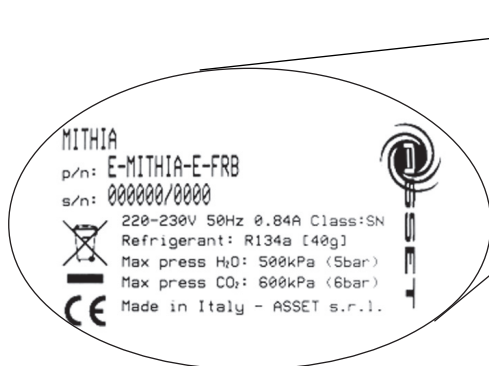
The Manufacturer is available to supply additional information to customers and to consider any suggestions for improvement in order to bring this manual more into line with the requirements for which it was published.

If the machine is sold, the original user must give this manual to the new user and communicate the address of the new owner to the manufacturer so that it may be provided with any essential information or updates.

All property rights of the contents included in this publication are reserved to Asset s.r.l., therefore it cannot be reproduced totally or partly unless written authorization by the manufacturer.

1.6 Manufacturer

The machine identification data are included in the label positioned on the rear of the machine.



The label includes the following data in this order:

- model;
- serial number;
- power supply voltage (V), frequency (Hz) power (W) and absorbency only of the refrigerant part (A);
- the pertaining Climatic Class;
- type of refrigerant and quantity in grams;
- maximum pressure of the water supply to which the dispenser can be connected (bar);
- country of manufacture;
- European CE conformity marking

The removal or, however, every type of tampering of the identification label, makes the warranty expire.



fig.1.2

1.7 Manufacturer's responsibility and warranty

In order to take advantage of the warranty supplied by the Manufacturer, the user must carefully follow the measures indicated in the manual, and in particular:

- always operate within the machine limit of use;
- always carry out constant and accurate cleaning and maintenance operations;

The manufacturer declines any responsibility, direct and indirect, caused by:

- machine use different than what indicated in this manual;
- use by staff who did not read and fully understand the contents of this manual;
- use not in conformity with specific standards in force in the Country of installation;
- modifications carried out on the machine, on the software, on the operation logic, if not authorized in writing by the Manufacturer;
- unauthorized repairs;
- exceptional events.

If the machine is sold to third parties also this manual must be delivered to the new owner; any right of the Purchaser will be automatically invalidated if the manual is not delivered, including the warranty terms where applicable.

If the machine is sold to third parties, in a Country where is spoken a different language than the language indicated in this manual, the old user is responsible to supply a faithful translation of this manual in the language of the Country where the machine will operate.

1.7.1 Warranty terms

The machine is guaranteed by ASSET srl for a 24 (twenty four) month period from the invoice date.

This guarantee covers manufacturing and assembling defects.

ASSET srl undertakes to replace or repair at its own charge at its factory, carriage free, any part that the manufacturer considers defective.

If service by a repair technician of the Manufacturer (or by a authorized technician) is required at the user's site, it is understood that the travel, board and lodgings costs are at user's charge.

The acknowledgment of a free supply of the parts under warrantee is always subject to inspection by the Manufacturer (or authorized person).

The extension of guarantee following a technical intervention or repair of the machine is excluded;

Damages to the machine are not included in the warrantee if caused by:

- transport;
- negligence;
- improper use and/or not in conformity with the instructions given in the use manual;
- wrong electrical connection.

The warranty becomes null and void in case of:

- repairs carried out by staff not authorised of the Manufacturer;
- modifications not authorized by the Manufacturer;
- use of parts and/or equipment not supplied or approved by the Manufacturer;
- identification label removal or tampering.

1.8 Technical assistance service

For any intervention of technical service directly contract the Manufacturer or the authorised Dealer, and always indicate the model and the serial number, imprinted on the identification label.

1.9 Copyright

The information contained in this manual must not be disclosed to third parties. Any reproduction, partial or total, not authorized in writing by the Manufacturer, obtained by photocopying, reproduction or with other systems, also electronic acquisition, infringes the copyright conditions and will be prosecuted according to the law.

DICHIARAZIONE DI CONFORMITA' CE
EC 2006/95, EC 2004/118,
EC 1992/31, EC 1993/68

ASSET S.r.l.

Loc. Isola del Pero, 16 - 17041 Altare (SV) - Italy

dichiariamo sotto la nostra responsabilità che il
prodotto:

EROGATORE D'ACQUA

MITHIA

al quale si riferisce questa dichiarazione è conforme
alle seguenti norme:

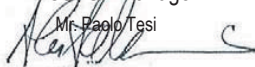
- Sicurezza di elettrodomestici e apparecchi elettrici - Requisiti generali - EN 60335-1 (2002) + A1(2004) + A2(2006) + A11(2004) + A12 (2006)
- Sicurezza di elettrodomestici e apparecchi elettrici - Parte 2-15 - Requisiti specifici per apparecchi per riscaldare liquidi - EN 60 335-2-15 (2002) + A1(2005)
- Sicurezza apparecchi per uso domestico e similare. Campi elettromagnetici - Metodi per la valutazione e le misure EN 50366 (2003) + A1 (2006).
- Sicurezza di elettrodomestici e apparecchi elettrici - Parte 2-14 - Requisiti specifici per polverizzatori e macinacaffè EN 60335-2-14 (2006).
- Limiti e metodi di misurazione dei disturbi radio caratteristici di apparecchi con motore elettrico e termici per uso domestico e simili scopi, strumenti elettrici e simili apparecchiature elettriche - EN 55014-1 (2000) + A1 (2001) + A2 (2002)
- Compatibilità elettromagnetica (EMC) - Parte 3^a Limiti - Sezione 2 : Limiti per le emissioni di corrente armonica (corrente in ingresso dell'apparecchiatura $\leq 16A$ per fase) - EN 61000-3-2 (2000)
- Compatibilità elettromagnetica (EMC) Parte 3^a Limiti - Sezione 3 : Limitazione delle fluttuazioni e dei picchi di tensione nei sistemi di alimentazione a bassa tensione per apparecchiature con corrente nominale $\leq 16A$. EN 61000-3-3 (1995) + A1(2001)
- Requisiti di immunità per elettrodomestici, strumenti e apparecchi simili. - Norma per famiglia di prodotti EN 55014-2 (1997) + A1 (2001)

secondo le disposizioni delle direttive CE 73/23, CE 89/336, CE 92/31, CE 93/68.

Altare - li, 24/06/2009

PROJECT Manager

Mr. Paolo Tesi



EC DECLARATION OF CONFORMITY
EC 2006/95, EC 2004/118,
EC 1992/31, EC 1993/68

ASSET S.r.l.

Loc. Isola del Pero, 16 - 17041 Altare (SV) - Italy

declare under our responsibility that the
product:

WATER DISPENSER

MITHIA

to which this declaration relates is in conformity with the
following standards or other normative documents :

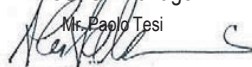
- Safety of household and electrical appliances - General requirements - EN 60335-1(2002) + A1(2004) + A2(2006) + A11(2004) + A12(2006)
- Safety of household and electrical appliances - Part 2-15 - Particular requirements for appliances for heating liquids - EN 60335-2-15(2002) + A1(2005)
- Household and similar electrical appliances - Electromagnetic fields - methods for evaluation and measurement EN 50366 (2003) + A1 (2006).
- Household and similar electrical appliances - safety - Part 2-14 - Particular requirements for kitchen machines EN 60335-2-14 (2006).
- Electromagnetic compatibility (EMC) - Requirements for household appliances , electric tools and similar apparatus - Part 1 - Emission EN 55014-1 (2000) + A1 (2001) + A2 (2002).
- Electromagnetic compatibility (EMC) - Part. 3^a Limits - Section 2 : Limits for harmonic current emissions (equipment input current $\leq 16A$ for phase) - EN 61000-3-2 (2000)
- Electromagnetic compatibility (EMC) Part 3^a : Limits - Section 3 : Limitation of voltage changes , voltage fluctuations and flicker in public low - voltage supply systems , for equipment with rated current $\leq 16 A$ for phase and not subject to conditional connection EN 61000-3-3 (1995) + A1 (2001)
- Electromagnetic compatibility - Requirements for household appliances , electric tools and similar apparatus - Part 2. Immunity - Product family standard EN 55014-2 (1997) + A1 (2001)

Following the provision of the directives: EC 73/23, EC 89/336, EC 92/31, EC 93/68

Altare - li, 24/06/2009

PROJECT Manager

Mr. Paolo Tesi



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2. Technological description

2.1 Available models

1 ELITE

Microfiltration of room temperature, cold and sparkling water

2 JOY

Room temperature and cold water

3 JOY-HW

This dispenser is featured by the 95° hot water option that is operated by pressing simultaneously two keys ensuring additional safety to children.



fig.2.1 - Mithia models

2.2 MITHIA

Mithia, the first dispenser in the world which can be fully customized.

The exclusive panels can be changed with images, logos, colours and fantasy solutions according to the needs. Panels can be easily replaced with infinite solutions allowing Mithia to be the ultimate water dispenser for every environment due to its elegance and exclusive design.

Thanks to this original solution, Mithia conquers new markets and indirectly promotes your company's image. The innovative cooling system allows Mithia to achieve high performances with very low power consumption. The coiled exchanger guarantees maximum level of hygiene and the integrated cup-dispenser with 100 glasses capacity completes Mithia and makes it always ready for use.

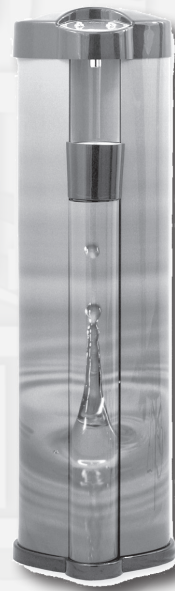


fig.2.2

2.2.1 ELITE

Featured by three dispensing keys:




- 1 room temperature still water 
- 2 cold sparkling water 
- 3 cold still water 



fig.2.3 Elite model

2.2.2 JOY

Featured by two dispensing keys:

- 1 room temperature still water 
- 2 cold still water 



fig.2.3 Joy model

2.2.3 JOY-HW

Featured by four dispensing keys:





- 1 room temperature still water 
- 2 cold still water 
- 3 double security dispensing key hot water  



fig.2.3 Joy-HW model

2.3 Technical data

The following data are related to the dispenser with serial configuration.

MODEL	ELITE	JOY	JOY-HW
POWER SUPPLY VOLTAGE	220/230V 50Hz monophase	220/230V 50Hz monophase	220/230V 50Hz monophase
MAX POWER CONSUMPTION	120W - 0.84A - Climatic Class: SN	70W - 0.4A - Climatic Class: SN	1370W - 6.3A - Climatic Class: SN
ROOM WORK TEMPERATURE	10-30°C / 50-86°F	10-30°C / 50-86°F	10-30°C / 50-86°F
COMPRESSOR POWER	hermetic 65W	hermetic 65W	hermetic 65W
QUANTITY OF REFRIGERANT GAS	R134a 35g	R134a 35g	R134a 35g
CONDENSATION OF STATIC AIR	YES	YES	YES
WATER PUMP TYPE	Membrane	-	-
CARBONATION SYSTEM	Saturator	-	-
MINIMUM INLET WATER TEMPERATURE	5 °C / 41°F	5 °C / 41°F	5 °C / 41°F
MAXIMUM INLET WATER TEMPERATURE	25 °C / 77°F	25 °C / 77°F	25 °C / 77°F
DISPENSED WATER TEMPERATURE	Adjustable 4÷12 °C	Adjustable 4÷12 °C	Adjustable 4÷12 °C
COLD AND SPARKLING WATER OUTPUT	16,5l/h $\Delta t = 10$ °C / 50 °F (Room Temperature 25°C / 77°F - Humidity 75%)	16,5l/h $\Delta t = 10$ °C / 50 °F (Room Temperature 25°C / 77°F - Humidity 75%)	16,5l/h $\Delta t = 10$ °C / 50 °F (Room Temperature 25°C / 77°F - Humidity 75%)
WATER INLET FITTING	Rapid for 4 mm pipe		
CO ₂ INLET FITTING	Rapid for 6 mm pipe		
WATER SYSTEM WORKING PRESSURE MIN-MAX	1.5 - 4.5 bar	1.5 - 4.5 bar	1.5 - 4.5 bar
ICE BANK TANK CAPACITY	3l	3l	3l
CO ₂ WORKING PRESSURE MIN - MAX	3.5 - 6 bar	-	-
GROSS WEIGHT (ACCESSORIES EXCLUDED)	29.5 kg	26Kg	27Kg
WEIGHT WITH PACKAGE	31.5 kg	28Kg	28Kg
WATER DISPENSER DIMENSIONS LxWxH	320x280x1120mm	320x280x1120mm	320x280x1120mm
PACKAGE DIMENSIONS LxWxH	345x300x1200mm	345x300x1200mm	345x300x1200mm

HAND DISPENSING TAP WITH FLOW REGULATION	1 for each type of water dispensed		
SOUND PRESSURE LEVEL	39 dB(A)	39 dB(A)	39 dB(A)
SOUND POWER LEVEL	41 dB(A)	41 dB(A)	41 dB(A)
STORAGE TEMPERATURE min/max	Min 2 °C/35,6 °F - Max 40 °C/104 °F	Min 2 °C/35,6 °F - Max 40 °C/104 °F	Min 2 °C/35,6 °F - Max 40 °C/104 °F

2.4 Emission of machine noise

The noise level with continuous operation is less than 70 dB(A). These data are available in the Technical File in the Manufacturer's archive.

3. Safety requirements

3.1 General notes

The dispenser was designed and manufactured in compliance with the requirements of the Machinery Directive 2006/42/EC, taking into account its ordinary use and the reasonably intended use.

The dispenser was manufactured for the application mentioned in the declaration of conformity enclosed to this manual.

It is not allowed for any reason to use it for purposes different than those for which it was designed, or to use it with modalities different than those indicated in this manual. The different interventions must be carried out in accordance with the criteria and the order described in this manual.

3.2 Symbols

Some operations are indicated in this manual by graphical symbols that recall attention on the hazardousness of the operations. The symbols are positioned on the lateral column, as shown in this page.



WARNING

Before carrying out any operation on the machine it is necessary to read the whole manual thoroughly, paying special attention to this chapter.



WARNING

This symbol indicates the possibility that an event occurs that can cause serious injury or considerable damage to the machine, if suitable precautionary countermeasures are not adopted.



CAUTION

This symbol indicates the possibility that an event occurs that could cause minor injury or material damage to the machine, if suitable precautionary countermeasures are not adopted.

IMPORTANT

This symbol indicates the possibility that an event occurs that could cause minor injury or material damage to the machine, if suitable precautionary countermeasures are not adopted.

3.3 Safety warnings

- Please, read carefully this instruction manual before using the dispenser in order to be sure that it is used in the best safety conditions.
- This device is not intended to be used by persons (included children) with reduced physical, sensory abilities or with scarce experience and knowledge, unless they are under supervision of a person in charge of their safety or they are informed by him/her on the use of the device. It is necessary to keep children under control to prevent them from playing with the device.
- The repair of the product must be carried out only by a skilled technician or in a Service Centre authorized by Asset srl, for your security and in compliance with the standards.
- Install the water dispenser in a proper way to guarantee a right ventilation for the machine cooling or **a distance – on all sides – of at least 10 cm from any wall or object.**
- In case of abnormal functioning do not manipulate or tamper with the internal components of the dispenser. Contact our technical assistance service.
- Keep this instruction manual in order to deliver it to the new owner if the dispenser is sold.
- Do not place objects on the water dispenser.
- Do not place the dispenser upon other objects.
- In case of damage, contact the technical assistance.
- In case of breakdown, disconnect the power supply, close the water mains and contact the technical assistance.

- Interventions not specified in this manual must be carried out only by skilled staff or in one of Asset's authorized Service Centres.

3.3.1 Operator's qualification

The operator must follow the instructions supplied for his own safety and for users, in particular he must respect the requirements contained in this manual during the operating phases.

Typical activities foreseen:

- use of the machine and its normal operating conditions and restoring of the operation after a stop;
- taking the necessary measures to maintain the performance quality;
- nozzle cleaning;
- collaboration with the staff in charge of the extraordinary maintenance operations ("skilled technician").

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4. Unpacking

4.1 Visual check

At the arrival the packaging shall be in perfect conditions:

- without signs of collision or breaks;
- without signs that lead to suppose that it was exposed to heat sources, frost, water , etc.;
- without signs of tampering.

Any deformations indicate collisions that occurred during the transport, which could compromise the normal operation of the machine.

4.1.1 Check of machine and equipment supplied

The machine, its main body, the related accessories and in general the equipment supplied must be in perfect preservation conditions.

Parts included in the supply are subject to a careful control procedure before being dispatched; however it is advisable to always check at the delivery that the material is complete and in order.

Make sure that:

- the shipping data (address of the consignee, n° of packages, n° of order, etc.) correspond to the data of the accompanying documents.
- the technical-legal documentation supplied with the machine includes the instruction manual corresponding to the type of machine, as well as the CE declaration of conformity.

IMPORTANT

In case of defects and/or missing material immediately communicate it to the Dealer and follow his instructions before putting the machine into operation

4.2 Unpacking

Refer to the “ARROW” on the external box in order to remove the packing material.

To remove the equipment from the packing, follow the procedure below:

- 1 cut the safety plastic straps from the packing (if these are present);
- 2 open the upper part of the carton box and remove it;
- 3 remove the protective pluriball sheet if present;
- 4 analyse the equipment to check for possible damage. Immediately inform the carrier and the Dealer if apparent damage is noticed.

WARNING: Keep the packing materials in case it will be necessary to ship again the device to the Technical Assistance Centres!!!

4.3 Packing list

The packing list includes all the parts supplied. The contents can change for each single machine, in accordance with the commercial agreements, with the optional parts supplied, etc.

Indicatively the supply includes:

- nozzle
- electric power supply cable (2m)
- water connection hose 6x8 (4m)
- 3x3/8" male fitting for connection to the water mains
- this manual

IMPORTANT

Packaging utilised comply with the environmental requirements set by the European packaging standards (Official journal of the European communities, L. N. 365/19). Carton containers are easy to recycle. Plastic wrappings are made with materials free from dangerous metals. For their disposal it is recommended to contact the competent Authority in the pertaining territory.

5. Installation

5.1 Environmental characteristics

The operating environment must have the following characteristics:

- Temperature: $+ 5 \div + 40$ °C ($41 \div 104$ °F)
- Maximum relative humidity: 80%

The dispenser must not be used in open areas and/or exposed to atmospheric agents or in environments with steam, fumes or corrosive and/or abrasive dusts, with risk of fire or explosion, and however where the use flameproof components is required.

5.2 Cleaning

Before starting up the dispenser it could be necessary to clean the equipment from dust, foreign substances and dirt accumulated during the transport and storage periods.

For cleaning do not use used or dirty cloths since the dispensing point that was sanitized before the dispatch could be inexorably contaminated. For example, for cleaning use a new piece of blotting-paper slightly dampened with not aggressive detergent and disinfectant products diluted in water. Do not use solvents or alcohol-based products. Do not touch the dispensing points with dirty hands. The ventilation slits of the dispenser, on the right side, must be cleaned by using a dry brush.

5.3 Positioning

The dispenser must be placed on a level surface which can support its weight including water (gross weight, see technical sheet). However, the water dispenser positioning must allow sufficient ventilation.



CAUTION

If environmental conditions different than those required are noticed during installation, or if they change over time, immediately contact the Manufacturer before using the dispenser for the necessary checks.



CAUTION

Do not use liquids containing solvents or abrasive materials to clean the dispenser.

In particular, its back and upper sides must have a minimum free space for ventilation of at least of 10 cm. For this reason, the dispenser must not be placed near direct or indirect heat sources (ex. ovens, radiators, stoves, coffee machines, etc.).

Plugs for power and water supply must be available near the water dispenser, and must correspond to the characteristics stated in the technical sheet and be positioned in way that the power cable and the water hose are not of any obstacle.

The environment, where the equipment is installed, must be free of dust or corrosive/explosive gasses.

The location must be without vibrations.

The machine must be sufficiently illuminated in order to correctly understand the different functions.

In case of a different positioning from the vertical one, during the transport or installation, once in the right position wait for at least 24 hours before getting it started.

5.4 Connections

5.4.1 Outer accessories

- 1 boiler switch (only JOY-HW models)
- 2 thermostat for boiler temperature adjustment
- 3 connection for external CO₂ bottle
- 4 water supply fitting
- 5 thermostat for temperature adjustment
- 6 power supply plug

IMPORTANT

In accordance with UNI EN 10380 standard lighting for a generic working area must be of 300 lux on average (acceptable values between 200 and 500 lux). If the equipment is installed in a Country different from Italy, refer to the related regulations in force.



fig. 5.1

5.4.2 Connection to the water mains

Any temporary connections are forbidden for a good functioning of the dispenser. The following operations must be carried out by a skilled staff.

During the installation, new water supply pipes for connection to the water mains must replace the old ones that must not be used again.

The water supply plug of the water dispenser must be made up of an interception valve (tap) and a non-return valve.

For a good functioning of the dispenser the water mains must satisfy the following the characteristics:

- no overpressure;
- pressure values according with the previous technical data sheet (see chapter 2.2).

If the pressure of the water mains is greater than 4,5 bar, it will be necessary to install a pressure reducer after the interception valve, by setting the pressure on 4 bar. Pressure peaks greater than 6,5 bar cause the safety valve to open with consequent outcome of water from the device.

Fittings and pipes for connection to water mains must be **certified for food compatibility**. All the pipes and fittings provided agree with the abovementioned feature. Optional accessories such as filters, pre-filters, to be assembled on the water mains after the interception valve, must be certified for food compatibility.

For a correct installation to the water mains, proceed as follows:

1. screw the non-return valve on the interception valve, the pressure reducer if necessary and the 3/8" x 8 fitting in order to connect the water supply tube included in the supply;
2. connect the supply tube to the water supply fitting (**fig. 5.2**);
3. position a suitable container at the free end of the tube to be inserted in the dispenser and open the interception valve to drain and clean the tube, the external filter and the outer accessories (if any) by draining at least 5 l of water, after this operation close again the interception valve;

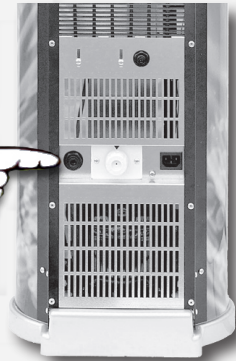


fig. 5.2

4. connect the free end of the tube to the water inlet fitting positioned on the back side of the dispenser;
5. open the interception valve to check that there are no leakages from the fittings previously assembled;
6. It is suggested to carry out the dispenser sanitization by using the appropriate kit (optional and not supplied with the dispenser).

If the optional prefilter is installed, proceed as follows:

- carry out the interventions previously described from point 1 to 3;
- cut the water supply tube in the insertion point of the prefilter;
- insert the supply tube, interception valve side, on the inlet fitting of the prefilter;
- insert a free end of the supply tube on the outlet fitting of the prefilter;
- carry out the interventions described from point 4 to 6.

If the internal optional filter is not used, it is, however, compulsory to insert a prefilter unit in series with the water supply line; the manufacturer declines any responsibility for the consequences due to non observation of this requirement.

In any case, any filtering unit which has to be connected to the water dispenser must be necessarily drained.

Moreover, verify that the unit agrees with the hygienic and security standards in force and its compatibility with the technical features of the dispenser as stated in the previous technical sheet.

Water supply connections with a length longer than 10 metres must be realized with a greater section pipe. The pipe delivered with the supply will be used just for the connection to the water dispenser and to the optional accessories (filters, prefilters, etc.) which must be installed in line with the mains.



WARNING

Use specific filters that dose anti-limescale products to prevent the formation of limescale in the hot parts of the device.

5.4.6 Power supply connection

The dispenser is in accordance with the current EEC norms. For this reason, it is marked with the CE symbol.

The Manufacturer declines any responsibility for possible damage to persons or things due to connection of the dispenser to electrical mains not in conformity with the regulations and laws in force in the country where the device will be installed. In particular, the electric mains must be equipped with a high sensitivity circuit breaker switch (cut-out switch), with tripping power not greater than 30mA, and a grounding system in conformity with the standards and regulations in force.


Anyway, it will be necessary to check that characteristics of the power supply line are suitable for the dispenser, as indicated in the technical data sheet.

In case the power supply cable is damaged, it must be replaced with a new one having the same characteristics.

Any attempt to repair the cable is forbidden!

After the required checks, it will be possible to insert the female plug with trapezoidal section of the power cable in the proper socket, in the back side of the dispenser (**fig. 5.3**).

Before inserting the power connection plug of the dispenser in the socket, make sure that the main switch is positioned on 0 and then open the water interception valve and the CO₂ bottle (for Elite model).



WARNING

The Manufacturer declines any responsibility for possible damage to persons or things due to connection of the dispenser to electrical mains not in conformity with the regulations and laws in force in the country where the device will be installed. In particular, the electric mains must be equipped with a high sensitivity circuit breaker switch (cut-out switch), with tripping power not greater than 30mA, and a grounding system in conformity with the standards and regulations in force.

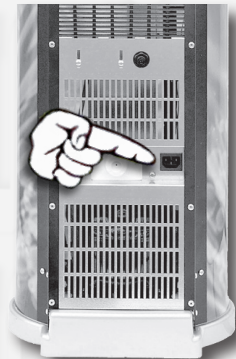


fig.5.3

5.4.4 Internal monouse bottle replacement

Set up or replacement of the finished monouse CO₂ bottle inside the dispenser will be carried out in accordance with these steps:

- 1 With one hand clutch the pressure reducer. With the other hand unscrew completely the CO₂ bottle (**fig.5.4**) keeping it vertical, turning it clockwise (set up) or counterclockwise (replacement). A possible gas leakage during the set up or replacement operations is normal. Instead a continuous gas leakage is not normal after the complete screwing up of the bottle (set up).



fig.5.4

- 2 Position the CO₂ bottle in its place (**fig 5.5**) with the black knob of the pressure reducer turned internally. Pay attention that the plastic tube connected to the pressure reducer does not remain tensioned or squashed during the CO₂ bottle set up or replacement operations.
- 3 The dispenser is ready to dispense 2 hours after the start up.

Note: the correct position for the CO₂ bottle set up or replacement is vertical with the pressure reducer above and the bottle under.



fig.5.5


5.4.5 Connection of rechargeable external CO₂ bottle

To ensure a greater autonomy of sparking water dispensing, it is possible to replace the monouse CO₂ inside the dispenser, with a rechargeable external bottle that has a significantly greater capacity (**fig. 5.6**).

It is not possible to supply data on the bottles autonomy since this depends on the use, characteristics and temperature of sparkling water.

Set up of the external rechargeable monouse CO₂ bottle will be carried out in accordance with these steps:

- 1 Remove the CO₂ pipe from the pressure reducer and insert it in the appropriate coupling already provided inside the dispenser.
- 2 Screw the adapter (optional) for the external CO₂ bottle to the supplied pressure reducer and tighten it firmly or replace the reducer with a specific one for rechargeable bottles.



WARNING

Exposure to CO₂ spout can cause burns due to the very low output temperature of gas; it is dangerous to touch or expose hands or any other part of the body to any output area.



fig.5.6

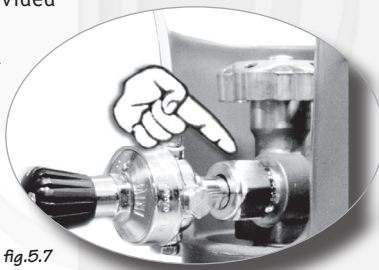


fig.5.7

- 3 Insert the new CO₂ pipe of appropriate length in the pressure reducer housing and in the coupling for the external bottle located on the back side of the dispenser (**fig. 5.8**).
- 4 Screw the knurled ring nut of the adapter assembled on the pressure reducer to the threading of the external CO₂ bottle tap and tighten it manually.
- 5 Open the bottle tap and check that there are no leakages by using soapy water.

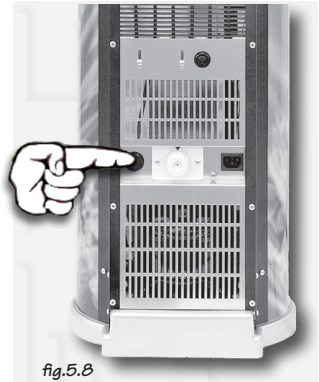


fig.5.8



WARNING

A possible gas leakage during the set up or replacement operations is normal. Instead a continuous gas leakage is not normal to prevent the formation of limescale in the hot parts of the device.

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6. Dispenser use

6.1 Control panel

MITHIA models are professional water dispensers with controls for water dispensing on the upper part. Dispensing controls are identified by a symbol that indicates the type of water dispensed:

IMPORTANT

The picture shows the position of the controls on the three standard models.



fig. 6.1



fig. 6.2 joy-HW model



fig. 6.3 elite model






fig. 6.4 joy model

- 1-2 hot water dispensing
- 3 room temperature water dispensing
- 4 cold water dispensing
- 5 sparkling water dispensing (Elite model)

The quality of the carbonated water is not only connected to the achievement of the optimal temperature of the refrigerant but it depends also on the physical features of the water used and to the adjustment of the CO₂ pressure reducer.

6.2 First start up

After the carrying out all the operations described in chapter 5, proceed as follows:

- 1 remove the plastic front panel by pressing it the middle on the right side and pulling it forward (*fig. 6.5*);
- 2 screw the internal CO₂ bottle on the pressure reducer (see "Opening or replacement of the CO₂ bottle" paragraph) for Elite models;
- 3 re-position the monouse or rechargeable panel by inserting first the edge on the lower part and then on the upper part; afterwards press in the middle to hook the panel to the locking peg;
- 4 place a container of suitable size under the dispensing nozzle;
- 5 open the water interception valve;
- 6 insert the power connection plug in the related socket;
- 7 press immediately the room temperature water dispensing key  and keep it pressed until, at least 3 litres of water have been dispensed;
- 8 press the old still water dispensing key  and keep it pressed until, at least 3 litres of water have been dispensed;
- 9 press the sparkling water dispensing key  and keep it pressed for at least 10 seconds until water and gas are dispensed (for Elite model);

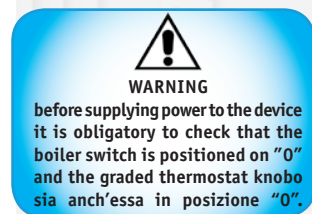
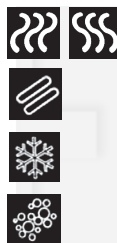


fig. 6.5

10 wait 5 minutes and dispense at least 1/2 litre of each type of water.

To obtain an optimal carbonisation it is necessary to wait about 2 hours (without dispensing cold or sparkling water) from the dispenser connection to the mains supply.

6.3 Temperature setting

MITHIA professional dispensers are equipped with a thermostat (**see here at side**) to adjust the water temperature as desired. The adjustment may be set from 4 °C to 12°C by turning the rear knob that is numbered from 1 to 7.

ex:

position 1 - 12°C

position 7 - 4°C

position 0 (zero) - refrigerator switch off



fig. 6.6

6.4 Precautions for JOY-HW model


After starting up the dispenser as described in paragraph 6.2, press simultaneously the dispensing keys  and dispense at least 1 litre of water.




fig. 6.7

Position the rear switch located high at left (**see here at side**) on "1" and turn the graded knob of the thermostat positioning it at the desired temperature.

FAILURE TO OBSERVE THE JUST DESCRIBED PROCEDURE CAN CAUSE IRREVERSIBLE DAMAGE TO THE BOILER AND THE WATER DISPENSER GUARANTEE WILL BE INVALIDATED.



fig. 6.8

The two keys marked with the symbol  dispense hot water only if pressed simultaneously in order to prevent unintentional dispensing that could cause burns.

The hot water temperature can be adjusted from 0 to 95°.

6.4.1 Procedure for setting the hot water boiler temperature

This setting is made by turning the black graded knob (**see figure at side – n° 2**); it is also possible to disconnect the boiler with the appropriate switch (n° 1).

When the boiler is connected the switch is illuminated.

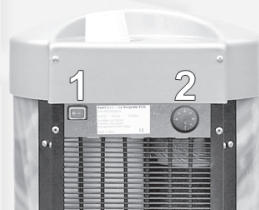







fig. 6.9

7. Trouble shooting

7.1 Solutions to problems

The following table shows some operating problems of the dispenser that can be solved directly by the user without involving the service centers.

PROBLEM	CAUSE	SOLUTION
The dispenser doesn't dispense water	Closed water tap	Open the tap
	Connection pipe to the tap pressed; or with throttling	Choose a path for the pipe which prevents pressing and throttlings
	Lack of power supply	Check the correct connection between the power connection cable and/or the correct operation of the electrical system
The dispenser dispenses little water	Obstructed filter	Replace the filter
	Low inlet water pressure	Contact the technical assistance service
The dispenser cools less	Insufficient or prevented ventilation.	Check the correct position of the dispenser See paragraph Installation Positioning. If the problem persists, contact the technical assistance service.
Water leakage	Filter installed in a wrong way	Disconnect the power supply plug, close the tap and follow the instructions in the Maintenance paragraph, filter replacement
	Internal damage	Disconnect the power supply plug, close the tap, contact the technical assistance service

<p>The dispenser doesn't dispense sparkling water when the key is pressed</p> 	<p>Lack of CO₂</p>	<p>Replace or verify to have opened the CO₂ bottle. See also the instructions in the paragraph Maintenance, Set up or replacement of the CO₂ bottle.</p>
<p>The water dispenser dispenses only gas after pressing the key</p> 	<p>Lack of water</p>	
<p>After pressing the key</p>  <p>sparkling water is dispensed in splatters.</p>	<p>High pressure of the carbon dioxide.</p>	<p>Reduce pressure by rotating gradually the handle of the pressure regulator towards the - sign. If the problem persists replace the CO₂ bottle; see paragraph Maintenance – Start-up or CO₂ bottle replacement</p>
<p>After pressing the key</p>  <p>sparkling water is dispensed in splatters.</p>	<p>Low pressure of the carbon dioxide.</p>	<p>Increase pressure by rotating gradually the handle of the pressure regulator towards the + sign. If the problem persists replace the CO₂ bottle; see paragraph Maintenance – Start-up or CO₂ bottle replacement</p>
<p>After pressing simultaneously the dispensing keys</p>  <p>the dispenser dispenses cold or warm water</p>	<p>Thermostat set on a too low temperature. Rear switch positioned on "0" (zero)</p>	<p>Carry out the ice bank defrosting procedure. Adjust a higher temperature on the thermostat</p>

8. Maintenance

The buyer and/or user can only carry out the interventions specified in this manual.

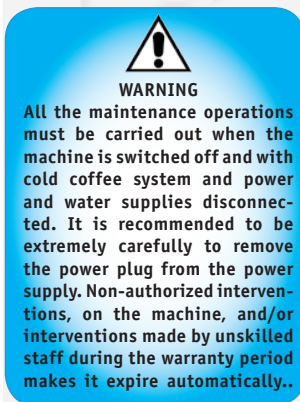
The manufacturer declines any responsibility for any intervention made by the buyer and/or user if not indicated in this manual. Interventions not specified in the manual and made by the buyer and/or the end-user during the guarantee period, makes it expire immediately.

Interventions which result necessary and not specified in the manual can be carried out only by the Technical Assistance Centre or by the authorized Dealer.

8.1 Ordinary scheduled maintenance cycles (HACCP)

The following table states all the interventions of ordinary maintenance to be carried out.

These periods of time refer to the normal condition of use as established in the technical sheet. A more intensive use can determine a reduction of the required intervals of time.



ORDINARY SCHEDULED MAINTENANCE CYCLES (HACCP)					
COMPONENT	TYPE OF OPERATION	OPERATIONS FREQUENCY			
		Daily	Weekly	Half-yearly	Yearly
External covering and front panel	Cleaning	X			
Hydraulic circuit inside the dispenser	Sanitization			X	
Water filter	Replacement			X	
Uv Lamp	Replacement				X
Nozzle	Sanitization		X		
Refrigerator condenser	Cleaning				X

8.2 Replacement of the monouse or rechargeable CO₂ bottle

When gas is over, the device starts dispensing less carbonated water and with a very reduced flow, so it is necessary to replace the CO₂ bottle.

As explained in chapter "Installation", It is possible to use monouse or rechargeable bottles; the monouse can be utilized once; the rechargeable can be refilled and used again and usually they have a bigger content and autonomy.

8.2.1 Replacement of the monouse bottle

Unhook the bottle (**fig. 8.1**) from its support binder and with one hand clutch the pressure reducer and with the other hand the bottle and unscrew it until it comes out from the reducer.

Screw the new bottle on the pressure reducer by keeping it vertical; near the end it is possible to hear a gas leakage which will disappear with the complete blockage of the bottle into the pressure reducer.

Position the bottle in its place and block it with the proper chain belt.

If the gas leakage does not end, lock strongly the bottle to the reducer or replace the sealing gasket.

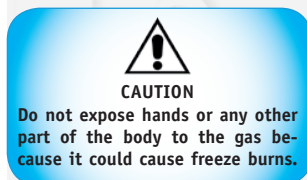


fig 8.1

8.2.2 Replacement of the rechargeable bottle

Close the upper hand wheel of the bottle (**fig.8.2 - n°1**) by turning it clockwise until it is completely locked.

Unscrew the hexagonal ring nut (**n°2**) which couples the reducer to the bottle by using a 28mm adjustable spanner; check the status of the gasket and if it is necessary, replace it. Screw again the hexagonal ring nut of the reducer

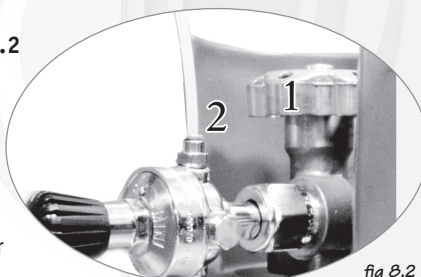


fig 8.2


on the new bottle and lock strongly with the adjustable spanner; open the upper hand-wheel of the bottle. Position the bottle in its place and block it with the proper chain or belt.

8.3 Filter replacement


In relation to the type of filter, with a standard use of the dispenser it is compulsory to change the water filter cartridge at least once a year or every six months. Once the filter is wet, even if the dispenser is not used, it has to be replaced within a period of 12 months or in accordance with the technical specifications of the filter manufacturer.

At each filter change, it is a good rule to note down the date of replacement by directly writing it permanently on the new filter installed.

Proceed as follows:

- close the water interception tap;
- press the room temperature water key  and keep it pressed until the dispenser doesn't dispense water;
- Place a cloth under the cartridge and subsequently turn the coupling head of the cartridge of one-half turn and remove it by pulling down;
- fit again;
- open the interception tap of water and check the seal, pull the room temperature water lever and dispense at least 10 litres of water.

However, dispense at least 3 – 4 litres of each type of water also if the dispenser is not used for short time (2-3 days).

After the filter replacement, it is compulsory to purge the machine by dispensing at least 5 litres of water by pressing the key  (room temperature water dispensing).

Disregard of the purge operation could cause irreversible damage to the machine.



WARNING

Before every filter replacement it is suggested to carry out the dispenser sanitization by using the appropriate kit (optional and not supplied with the dispenser); this procedure must be carried out exclusively by skilled technical staff, failure will make the guarantee of the product expire.



fig 8.3

IMPORTANT

Pay attention that the plastic hose is not flattened or stretched.

8.4 Replacement of the UV-lamp (outer accessory)

As indicated in the table of page 1, in devices equipped with UV lamp (ultraviolet rays) it is necessary to replace the bulb lamp every 12 months (maximum).

This operation has to be carried out only by skilled staff and, for this reason, it is necessary to contact the technician or the authorized reseller.

Note: UV radiations can cause damages to the eyes and skin: never expose to direct radiation.

It is possible to check the UV-C lamp operation by means of the luminous points visible inside the dispensing compartment. Three light points show-through if the lamp is operating.

8.5 Cleaning

To keep the dispenser in good conditions even after a long use, it will be necessary to clean periodically its external surfaces.

To clean it, turn off the machine, disconnect from the power supply and close the water tap.

For cleaning do not use used or dirty cloths since the dispensing point that was sanitized before the dispatch could be inexorably contaminated. For example, for cleaning use a new piece of blotting-paper slightly dampened with not aggressive detergent and disinfectant products diluted in water.

Do not touch the dispensing points with dirty hands. Do not use solvents or alcohol-based products. The ventilation slits of the dispenser, on the right side, must be cleaned by using a dry brush.



WARNING

UV radiation can cause damages to the eyes and skin: never expose to direct radiations

8.6 Water dispenser sanitization

Every 6 ÷ 12 months of use of the dispenser, it will be necessary to follow a sanitization cycle to prevent possible bacteria contaminations. This operation must be carried out by skilled technical staff of the or technical service center or by the authorized reseller. In case of a long inactive period in which the dispenser is not used, it is compulsory to carry out a sanitization cycle; sanitize the dispenser after each filter replacement or after a period in which the dispenser is not used for one or more weeks. Every week of use, as stated in the previous table, sanitize the dispensing nozzle.

Unscrew the nozzle and dip it in a sanitizing liquid for food use, for about 10-15 min. Then, rinse the dispensing nozzle copiously, with water and screw it again in its seat.

8.7 Technical assistance

In order to optimize the Support and Assistance service, ASSET makes use of a network of Resellers and Authorized Distributors that supports Clients for any possible request of Service.

Therefore the Final User must only contact the Reseller where he purchased the machine for any request of Assistance or Technical Support.

ASSET Resellers have complete access to our Technical Support resources and a full knowledge of the possible problems that could stand out.

They are also the sole able to send a RMA request to our Company since ASSET does not sell directly to Final Users.



WARNING

Never disconnect the power cable but – if the dispenser is not used for long time – only close the water tap.

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9. Dismantling

9.1 Dispenser dismantling

The dispenser must be dismantled after disassembling the different parts that make it up.

Request the Retailer for specific information regarding the dismantling operations.

Once disassembled the different parts, subdivide the different components separating metal from plastic, copper, etc. according with the type of separate waste disposal in force in the Country where the dispenser is dismantled.

In case it is necessary to store the different components waiting to be accepted in the dump, pay attention to preserve them in a safe place sheltered against atmospheric agents, in order to prevent contamination of ground and water.

9.2 Electronic components disposal

The community directive 2002/96/EC, adopted in Italy with legislative decree n. 151 of the 25th of July 2005, imposes to manufacturers and users of electric and electronic equipment a series of obligations related to the collection, treatment, reuse and disposal of this kind of waste.

Pay attention to the waste disposal regulations in force.

Keep in mind that unauthorized disposal of this kind of waste involves application of financial penalties provided by regulations in force.



CAUTION

Instructions related to this chapter are to be intended just as indication. Refer to the regulations in force in the Country where the device is used.



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10. Spare parts

10.1 Identification and ordering modes

Diagrams and drawings to identify the different parts are available in the technical file of the machine in the Manufacturer's archives, therefore any request of spare parts must be sent to Manufacturer.

For trading parts, if the Manufacturer considers it useful, it is possible to supply technical manuals or the original documentation of the supplier.

If these are not supplied, they are however included in the Technical File of the machine in the Manufacturer's archives, as provided by the Ministerial Decree 2006/42/EC.

If necessary contact the Technical Service to identify the needed part.

If the needed parts are not included in any position, or it is impossible to identify them, contact the Technical Service indicating the type of machine, the serial number and the year of manufacture.

These data are included in the identification label positioned on the machine.

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