Profine tw

we are water

ice

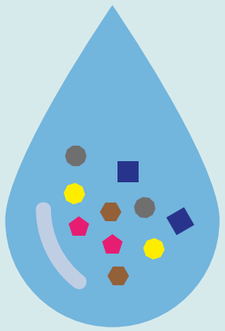
Water and ice

Filtered water makes t he best ice.
Feeding the ice maker with contaminated or hard water produces dirty, cloudy ice that melts in drinks and alters their flavour.

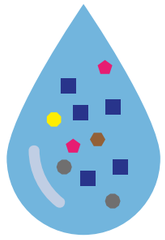
tw produces according to MOCA compliance food

tw produces with quality ISO 9001:2015 and environmental ISO 14001:2015 management system certified by TÜV SÜD

Not all water is the same



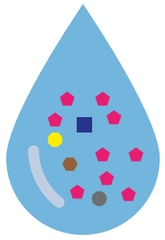
It is important to refine the water so that the ice machine can produce clean ice.
If the water tastes bad, smells bad or contains particles, your ice will look, taste and smell just like the water. So, it's important to filter the water that makes the ice.



Untreated water

Untreated water contains high levels of sediments and could damage or obstruct the machine.

- **ZERO PRO + BLUE**
- **BLUE + ICE**



Hard wate

Hard water contains high levels of calcium and magnesium.

- **ICE**
- **ZERO PRO**
- **EASY:WASH**

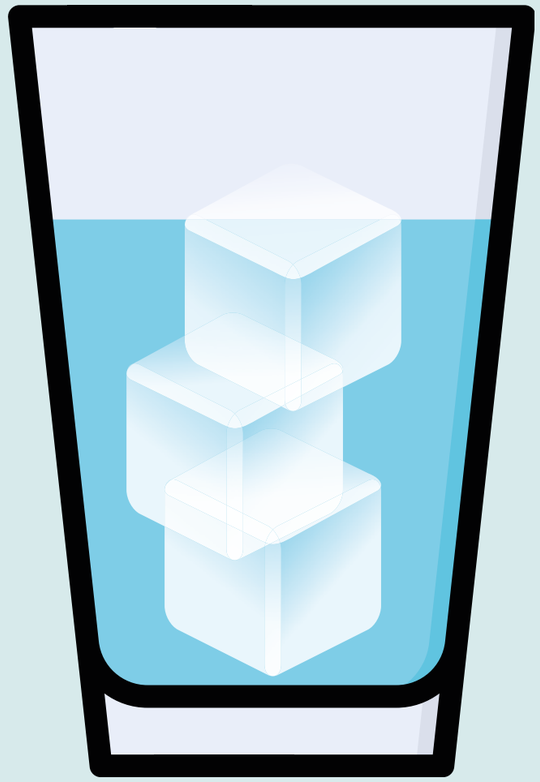
Soft water

Soft water contains only small amounts of calcium, magnesium and carbonates.

- **ICE**

Improve your ice

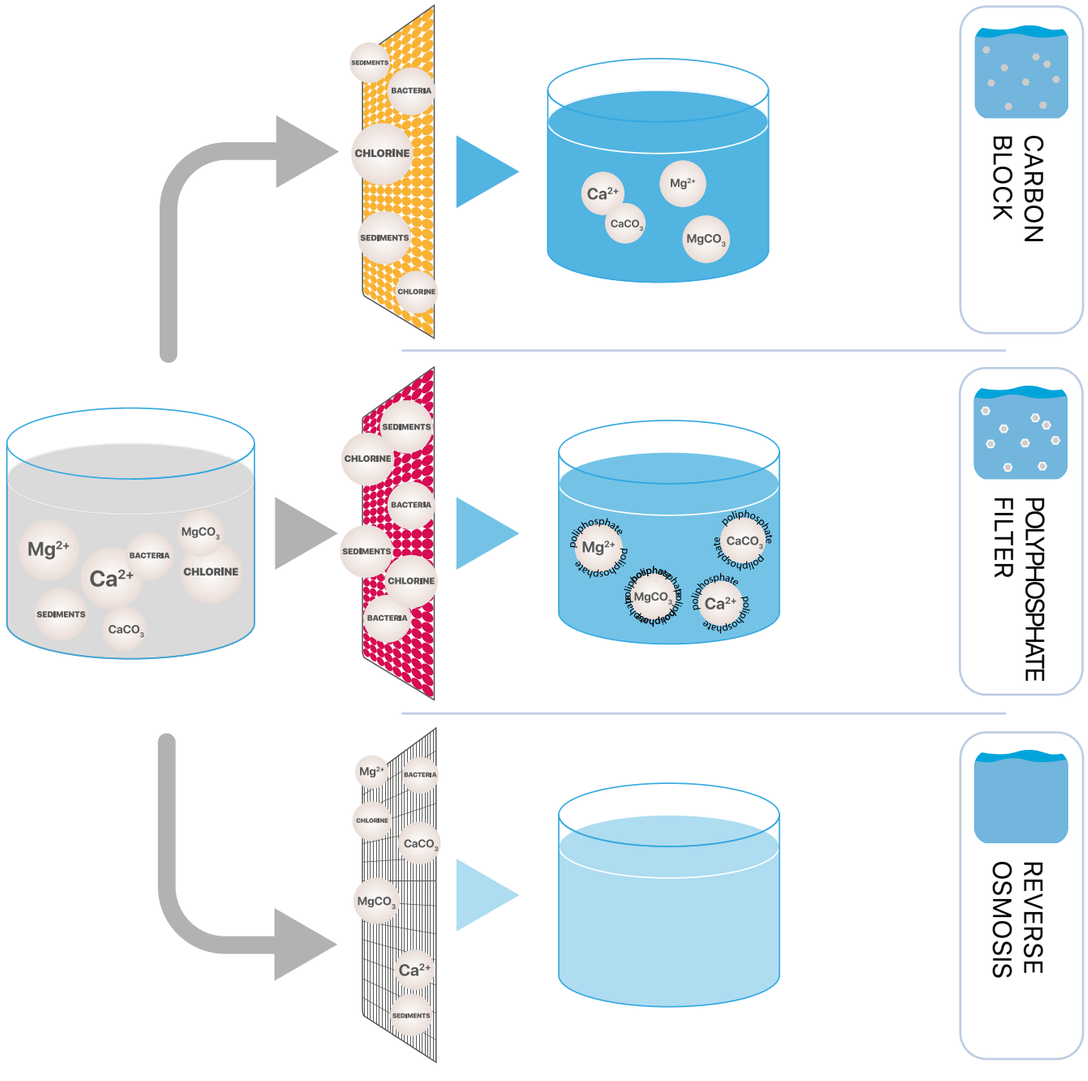
An ice filtration system filters the water that feeds the ice machine by eliminating chlorine, particulate matter and other contaminants that make the ice cloudy. Hard water should be treated by acting on the minerals responsible for the opaque appearance of the ice.



Treatment is worth it

Hard water creates build-up of limescale, which is a problem in ice production. When the water freezes, the minerals crystallise and make the ice opaque. Not to mention that the internal operation of the ice machine suffers from the formation of build-up of limescale. Limescale in the long run damages the equipment, which is why it is important to be in control of it, using a water softener, a polyphosphate filter or reverse osmosis.

Water treatment methods



Water treatment for ice occurs mainly in two ways.

Filters

Through the use of polyphosphate filters, calcium and magnesium ions are "coated", preventing their aggregation, in this way no visible particles (calcium carbonates and magnesium) are produced making the ice more transparent.

Reverse osmosis

Thanks to the very high degree of filtration that characterises reverse osmosis machines, it is possible to obtain extremely "clear" water, that is, free of suspended particles, whatever they may be.

This lets you obtain an ice that is almost completely transparent and without any taste at all, so that it does not alter the taste of the drinks, only makes them colder!

3 REASONS

01

Refining the water for the ice maker means obtaining ice with no taste of its own, therefore, not altering the taste of the drinks into which it is placed.
Ice for cooling, and nothing else!

02

Using perfectly transparent ice to prepare cocktails and drinks "on the rocks" clearly affects the appearance of the drink, giving a sensation of both refinement and quality.
Ice, transparent as ice!

03

Incorrectly treated water almost always causes occlusions in pipes. The flow rate is reduced, annoying leaks can occur, the components are subjected to greater stress, and so are you!

-- ice --

Products

The advantage of installing an ice filter or reverse osmosis machine is obvious: you get clearer water, free of flavours or odours.
The better the water, the better the ice.

Profine® Blue

Dechlorination and clarification drinking water.

microfiltered
water

Profine® Blue, thanks to the Profine® Carbon Block technology, reduces and removes cloudiness present in the water, as well as chlorine and any tastes and smells. Nominal filtration degree 5 µm. Complies with DM 25/2012.

- Eliminates unwanted odours and flavours
- Reduces chlorine
- Reduces the cloudiness of the water
- Reduces the presence of any organic macromolecules

CODE	DESCRIPTION	FLOW RATE	CAPACITY*
Y21409B-AXW	Blue Small Profine®	3 L/min	15.000 L
Y21408B-AXT	Blue Medium Profine®	5 L/min	24.000 L
Y21407B-AXQ	Blue Large Profine®	7 L/min	45.000 L

* The capacities may vary according to the French degrees (° f) from the organoleptic properties and the flow rate of the incoming water.

Operating pressure	Min. 2 - Max. 6 bar (0.2 - 0.6 Mpa)
Temperature	Min. 4 - Max. 30°C (40 - 86 °F)

Profine® Ice

Reduction of carbonates and microfiltration.

microfiltered water

The Profine® ICE cartridge has a first filtering and absorbent stage made with 0.5 µm Profine Carbon Block technology® that eliminates unpleasant odours and flavours and imparts a bacteriostatic action thanks to silver ions.
An anti-limescale final stage offers protection against the precipitation of limescale even at low temperatures, such as those in ice production systems.

CODE	DESCRIPTION	FLOW RATE	CAPACITY*
Y21463B-AZX	ICE Mini	1 L/min	6.000 L
Y21464B-AZY	ICE Small	1,5 L/min	10.000 L
Y21465B-B11	ICE Medium	2,5 L/min	22.000 L
Y21466B-B13	ICE Large	3,5L/min	30.000 L

* The capacities may vary according to the French degrees (° f) from the organoleptic properties and the flow rate of the incoming water.

Operating pressure	Min. 2 - Max. 6 bar (0.2 - 0.6 Mpa)
Temperature	Min. 4 - Max. 30°C (40 - 86 °F)

MADE IN ITALY

MOCA

PRODUCT COMPLIANT
DM 25/2012

easy:wash

Professional washing artist.

osmotic
water

For those who make washing a profession, it will never leave halos. It drastically reduces the use of rinse aids and detergents in Ho.Re.Ca field. In other sectors it will make life easier where using finely osmotic water is required. 120 l/h and an inner pressure tank of 24 l of treated water satisfy every type of required washing cycle.

Compatible dimensions with the needs of the Ho.Re.Ca sector	Preloaded break tank
Capillary system for the calibration of the recovery rate	Continuous work 24 hours a day
Wheels equipped	Bypass valve system
Modular internal structure	Output conductivity adjustment
High water reserve	

Equivalent sound level measured during normal operation (dB (A))	<70
Membranes	nr. 2
Prefiltration on board	Profine® Blue Medium
Weight	30 kg
Flow rate	120 l/h at 15°C
Alarms	Anti-flooding / Minimum pressure / Filter change
Connections	IN 3/4"M - BSP | OUT 3/4"M - BSP
Drain	6 mm quick coupling
Tank	20 L
Dimensions	300 x 445 h 700 mm

MADE IN ITALY

MOCA

Profine® ZERO PROFESSIONAL

Reverse osmosis system for water with low salt content.

osmotic water

Ideal for feeding coffee machines, automatic dispensers of cold drinks or ambient temperature and for machines that work in cycles with low volume water requests, but with high instantaneous flows.

Operating pressure	1,5 bar/6 bar | 21.7 PSI/87 PSI
Temperature	Min. 4 - Max. 30°C (40 - 86 °F)
Hourly flow rate	24 L/h (4 bar)
Pre-Post filtration	Profine® Carbon Block 5 micron

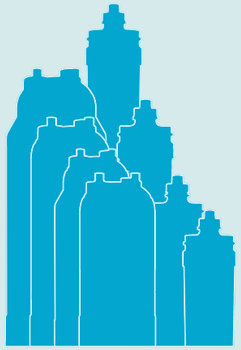
DINAMIC PRESSURE	FLOW RATE	RECOVERY
2,5 bar	2,4 L/min	15 min
3 bar	2,7 L/min	12 min
4 bar	3 L/min	8 min

PARAMETER		INLET	OUTLET
Conductivity at 25°C	µS/cm	289	14,7
Hydrogen ion concentration	pH	8,15	7,54
Chlorides	mg/L	3,1	0,223
Sulphates	mg/L	19,3	0,572
Calcium	mg/L Ca	32,4	1,48
Magnesium	mg/L Mg	11,5	0,45
Potassium	mg/L K	0,7	0,176
Sodium	mg/L Na	2,07	0,52
Total phosphorus	µg/L P_2O_5	29,8	n.r.

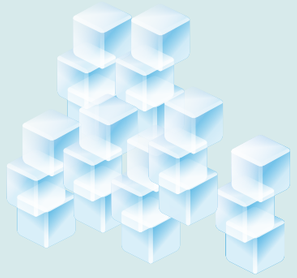
MADE IN ITALY

MOCA

PRODUCT COMPLIANT
DM 25/2012



Filters have a useful life and it is essential replace them at the right time. If you wait too long, the quality of the water decreases, leading to significant undesirable effects.



- ✗ Cloudy ice with unwanted flavor
- ✗ Increase in consumption and operating costs
- ✗ Damage to machinery
- ✗ Frequent machine maintenance
- ✗ Reduction of the useful life of the machines

-- ice --

Profine tw

Do you need support to choose the right solution?
Our team can help you get the best results by operating together with you the most appropriate choices for your business.

Credits

Graphics: tw MKT Department

Keep in touch

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#lifewithoutplastic

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we are water

ice