

WATER ECONOMIZERS



**MAKE THE CONVENIENCE
COME TRUE FOR A REAL SAVING**



Reduced electrical consumption



Easy installation in reduced
spaces (55, 130, 90 cm.)



Noiseless



Patented system unique
in the world

Success registered by numerous
ice-cream producers in Italy,
Germany and Spain



Medessi Engineering also produces air conditioning and air treatment systems

WATER ECONOMIZERS WEKER (from inside)

MAIN CHARACTERISTICS

The Water Economizers Weker can easily receive water reaching temperatures of 80°C and reinsert the 94-98% of the used water in the circuit of cooling of equipment such as batch freezers, pasteurizers, kettles and any refrigerating chain, allowing them to maintain performances and original yields even without modifying the calibration of the pressostatic valves.

At the inside they are equipped with a refrigerating system, particular heat exchangers of high efficiency, a drainable fan of high boosting power, a water-accumulating tank, a pump of transmission to the external users and of a general switchboard.

The housing is entirely realized in stainless steel panels in order to allow easy cleaning and positioning in any laboratory of alimentary production. The entire hydraulic circuit is realized in materials resistant to corrosion (stainless steel, brass, rubber and plastic).

Their installation inside closed places is facilitated by various factors:

1. **Particularly reduced dimensions** (considering the rendered refrigerating power they are the smallest on the market; to get the same power with a traditional chiller group we must install a machinery of at least double dimensions of those of a Weker Economizer)
2. **Four rotating wheels** (the Weker Economizer can be moved even after the installation in order to guarantee an effective cleaning of the working environment)
3. **Aspiration of air only on the frontal side** (studied purposely in order to allow the installation in the middle of other machinery or in a corner of the laboratory)
4. **Hydraulic connections by flexible tubes** (they allow easy and immediate installation and the Economizer to be moved if needed)
5. **Volumes of cooling-air are particularly modest** and can be drained up to 20 meters away with a tube of the diameter of the 18 cm. (the air volumes treated equal 2000-2500 m³, what allows the installation inside the laboratories or any other premises without provoking large air movements or depressions. A traditional group type chiller of the same power treats on average 7000-8000 m³ of air. Installed inside warm premises the Water Economizers Weker working as exhaust fans can lower the room temperature for some degrees, while if they are installed inside air-conditioned premises it is possible to canalize the aspiration of the air in order to avoid waste of energy. The possibility to canalize the drainage of the air for several meters allows to install our machinery in any premise not directly connected with the outside.)

6. **Inner and external quietness** (the fonoabsorbing inner covering in combination with a correct installation renders these machines particularly silent inside the premises where they are installed but also on the outside where the air is being unloaded)
7. **Unique PATENTED system in the world** (our PATENTED cooling system allows these machines having excellent yields with reduced consumptions of electricity the best market ratio between power and refrigerating yields. This allows ulterior savings which are in direct interest of our customers).

INDICATIVE POTENTIALITIES OF OUR MODELS

MT 150: 1 Batch freezer 1 Pasteurizer 60L 3 Refrigerating Groups

MT 250: 2 Batch freezers 2 Pasteurizers 60L 5 Refrigerating Groups

MT 300: 2 Big Batch freezers 2 Pasteurizers 120L 7-8 Refrigerating Groups

MT 300s: 3 Big Batch freezers 2 Pasteurizers 120L 10 Refrigerating Groups

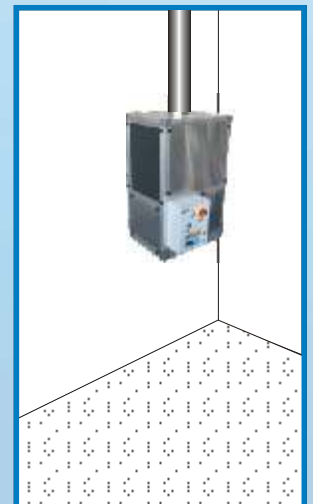
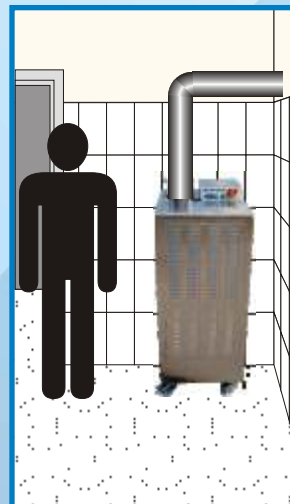
MT 500s: 3 Big Batch freezers 2 Pasteurizers 120L 1 Pasteurizer 60L 12 Refrigerating Groups Conditioning system and ventilconverter (approx. 3kW yields)

MT 700s: 3 Big Batch freezer 3 Pasteurizers 120L 12 Refrigerating Groups Conditioning system and ventilconverters (approx. 10kW yields)

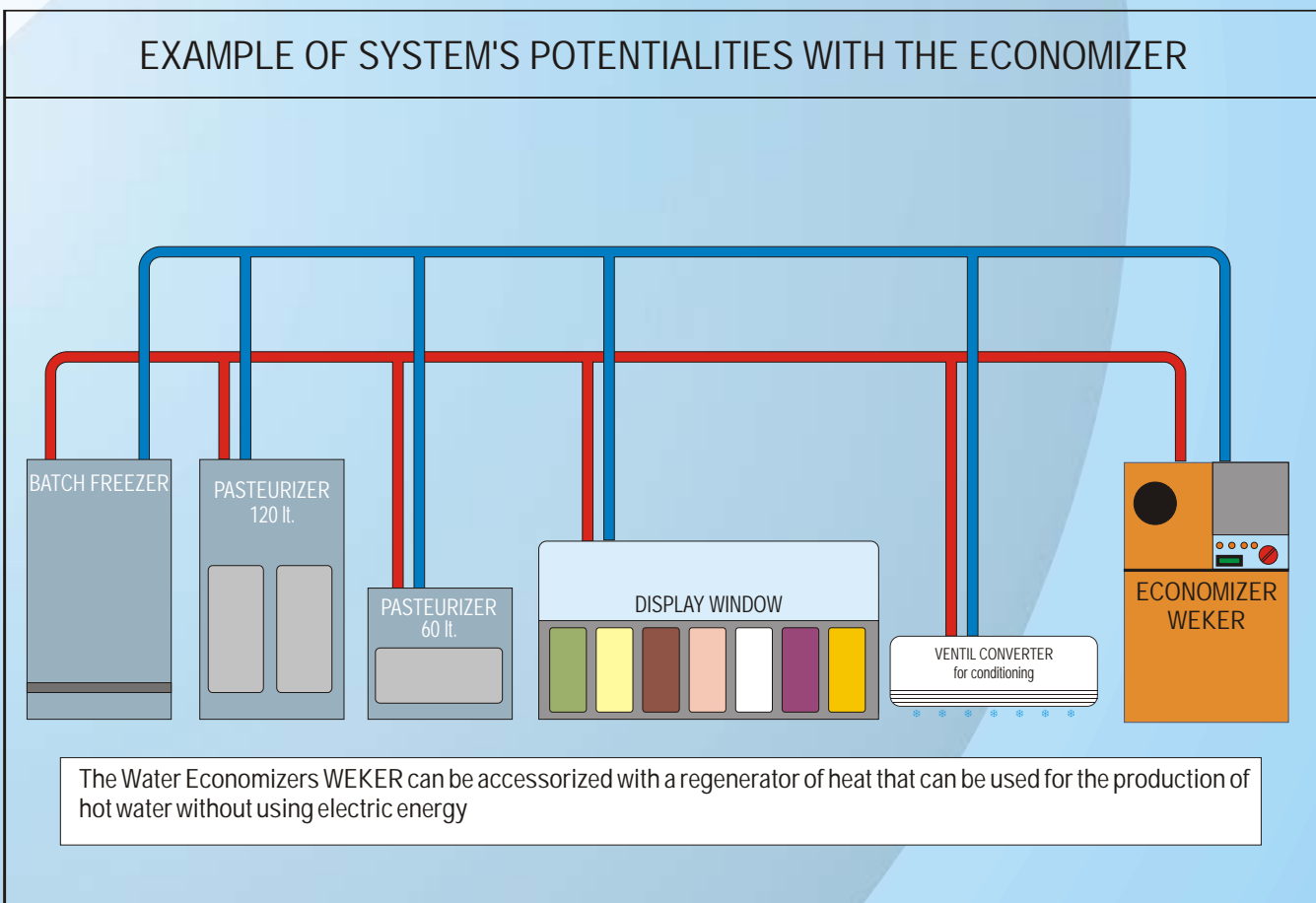
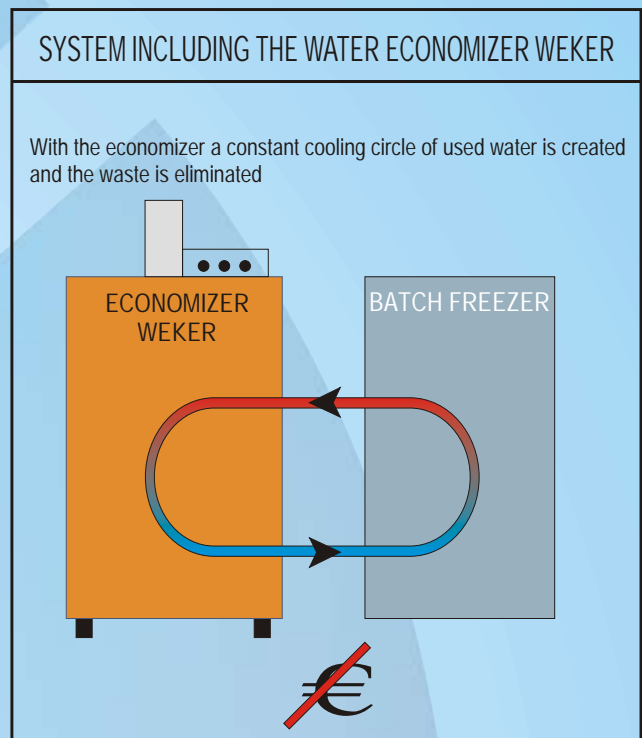
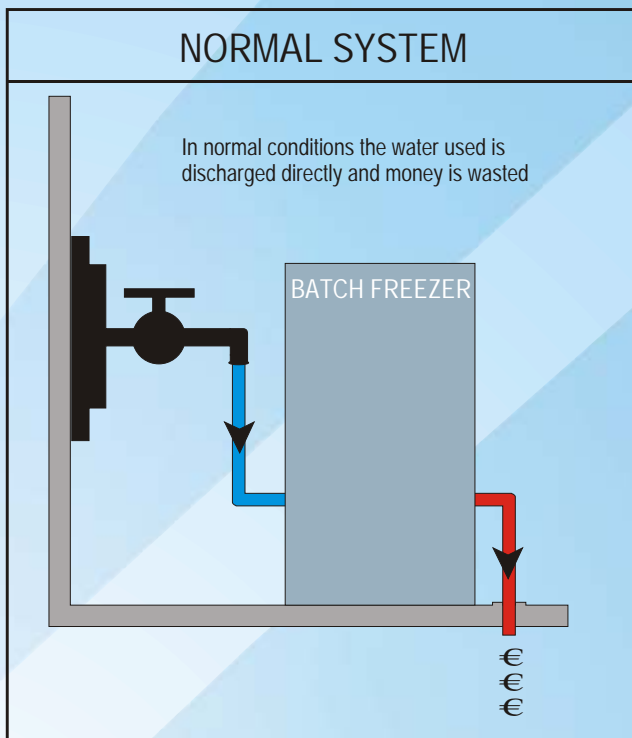
The potentialities given must be understood in conditions of medium ice cream productions

WEKER also produces ECONOMIZERS that can be installed to the OUTSIDE

TILL THE END OF THE YEAR WE INTEND TO PUT IN PRODUCTION A NEW MODEL SLIGHTLY SMALLER THAN THE MT150 FOR SMALL LABORATORIES WITH A SINGLE ICE CREAM MACHINE



REAL SAVING!



The Economizer Weker is able to reinsert into the cooling circuit the water necessary for the functioning of machinery, displays and of an eventual conditioning system without wasting energy in order to get an effective saving on the costs of the water consumed by the machinery.

All the models of our production can be used contemporaneously for the recovery of water and for the air-conditioning of different spaces.



TECHNICAL CHARACTERISTICS

MODEL		Mt150	MT250	MT300
REFRIGERATING YIELDS (1) NORMAL (2)	KW	15	20	25
	ABSORBED POWER KW	2.8	3.4	3.8
	INSTALLED POWER KW	3.5	4.1	4.5
PUMP p0	WATER CAPACITY mc/h	0-4		
PUMP p1	AVAILABLE BOOSTING POWER bar	2.0-1.4		
	WATER CAPACITY mc/h		0-4	0-4
	AVAILABLE BOOSTING POWER bar		3.0-2.2	3.0-2.2
CENTRIFUGAL FAN	AIR CAPACITY mc/h	2500-2000	2500-2000	2500-2000
	BOOSTING POWER mmH2O	35-60	35-60	35-60
	AIR CONNECTION millimeter	180	180	180
ELECTRICAL ALIMENTATION	V/F/Hz	400/3/50	> 400/3/50	400/3/50
TANK CAPACITY	LITERS	60	60	60
WEIGHT WHEN EMPTY	Kg	190	205	210
WATER CONNECTIONS	BSP	1" M	1" M	1" M
DIMENSIONS	WIDTH millimeter	540	540	540
	HEIGHT millimeter	1350	1350	1350
	DEPTH millimeter	880	880	880

- (1) incoming water 40-43°C and ambient temperature 25°C
- (2) power rates in the conditions of the operation limit
for information on other models contact the Technical Office

SOME OF OUR CLIENTS WHO CHOSE THE WEKER SOLUTION

GELATERIA IL BIONDO BRESCIA (ITALIA)
GERRATANA S.R.L. POZZALLO (RG) (ITALIA)
CATALAN FRIGOR ALGHERO (ITALIA)
CREMERIA VISCONTI ACQUITERME (ITALIA)
SAFAC S.R.L. ALTE DI MONTECCHIO MAGGIORE (VI) (ITALIA)
GONELLA ALESSANDRO PORTOGRUARO VE (ITALIA)
GELATI S.R.L. dott. EGIDIO MENEGHIN (TV) (ITALIA)
TAFEC EIS SYSTEM AMBURGO (GERMANIA)
**EISSALON AM SCHWEDENPLATZ Sig. S. MOLIN PRADEL
(PRESIDENT AGIA AUSTRIA)**
EISCAFE BORTOLOT Sig. FAUSTO BORTOLOT (PRESIDENT UNITEIS)
GELATERIA PIEROD Sig. BRUNO TONON (VICEPRESIDENT UNITEIS)
ZANETTI E CAIS KASSEL (GERMANIA)
GELATERIA DINO BARCELONA (SPAGNA)

