

CONTROLLED WATER TEMPERATURE = BREAD OF QUALITY

Advantages :

- A flexible modular range essential to your production for a gain of quality, precision and time.
- Autonomous cooling system of alimentary water down to + 0, 5 ° C with ice accumulation.
- Insulated polyester buffer tank with flowing valve, automatic water feeding and overflow.
- Easily cleanable due to its rounded corners.
- Overflow safety.
- 316 L stainless steel, coil type heat exchanger.
- Mechanical water agitation.
- R404A cooling compressor with air condenser - helical fan.
- Temperature regulation to 1/10th of a degree.
- Power electrical box with remote control.
- Water level controls: Refrigerating group unit and pump operations safety.
- Optional water dosage systems.

Water coolers : Medium range

Type	Draining capacity (Litres / Hour)		Tank volume (Litres)	Electrical supply (Other voltages available)	Electric / Current	Dimensions (mm)			Weight (kg)	
	Water inlet T° +20°C Water outlet T° +1°C	Water inlet T° +15°C Water outlet T° +5°C				L	D	H	Empty	Working
OPTIMAX 900 P*	90	180	135	230 V/1ph+N+T/50Hz	1,5 kW/8 A	1050	660	990	80	215
AGD 110 P*	110	200	400		400 V/3 ph+N+T/50Hz	2 kW/10,5 A	1660	830	1370	170
AGD 140 P*	140	280		2,7 kW/ 6 A		175				575
AGD 180 P*	180	360		3,7 kW/ 6,7 A		180				580
AGD 250 P*	250	500		4,5 kW/8 A		200				600

* P = with pump

Specific technical characteristics :

- Distribution pump: flowrate 1 m3/h at 2.5 bars to 3 m3/h at 1.3 bar.
- Automatic water addition by float valve.
- Remote control box with 5 ml of cable.
- The remote control unit manages the working of the cooler options.

Options :

Automatic water dosage

- **DM Box** water cooler under pressure.
- Automatic **DMT-MA Box** water meter with manual mixing hot and cold water.

Hot-cold

- Essential in the winter, when the network water is too cold.
- The water cooler becomes useful throughout the year: the water is heated by a 2 kW stainless steel immersion heater.

AGD 250 P water cooler



Remote control box

Water cooler AGD 350 to 650 P



Specific technical characteristics :

- Automatic water addition by electric valve, overflow and flow valve.
- Possible iced water loop with return.
- Filling level detectors.
- Choice of operation mode : temperature regulation or ice accumulation.
- Distribution pump : flow rate 2 m3/h at 4 bar to 7 m3/h at 1.5 bar.
- IP 54 electrical box with programmable controller.

AGD 750 P to 2000 P water cooler



Options :

- Out of freezing protection for outdoor installation.
- Remote control box.

On request :

- Other electrical supplies.
- High ambient temperature.
- Cooler without direct release unit or glycol water.
- Remote unit or remote air condenser.
- Stainless steel tank 304L.
- Communication with your management system.
- Under pressure water cooler.

Water coolers : Industrial range

Type	Draining capacity (Litres / Hour)		Tank volume (Litres)	Electrical supply (Other voltages available)	Electric / Current	Dimensions (mm)			Weight (kg)	
	Water inlet T° +20°C Water outlet T° +1°C	Water inlet T° +15°C Water outlet T° +5°C				L	D	H	Empty	Working
AGD 350 P*	350	700	800	400 V/3 ph+N+T/50Hz	8 kW/15 A	4100	1105	1500	480	1280
AGD 500 P*	500	1000			12 kW/ 22 A				510	1310
AGD 650 P*	650	1300			14 kW/ 26 A				620	1420
AGD 750 P*	750	1500	2800		16 kW/30 A	4500	1500	2200	1400	4200
AGD 1000 P*	1000	2000			20 kW/38 A				1500	4300
AGD 1200 P*	1200	2400			22 kW/42 A				1800	4600
AGD 1500 P*	1500	3000			30 kW/57 A				2200	5000
AGD 2000 P*	2000	4000			37 kW/70 A				2300	5100

* P = with pump

Glycol water cooler



Under pressure water cooler



DMT-MA Box
water meter

Automatic water meters and mixers

Adaptable on all water coolers



DM under pressure water meter

- Draining volume : 1 to 999 litres.
- Simple water dosage with automatic stop.
- Precision : +/- 2%.
- Dosage unit : 1 litre (in option 0,1 litre).

Gravitary simple dosage unit possible: model DMG



DMT-MA water meter with manual hot-cold water mixer

- Draining volume : 0,1 to 999,9 litres.
- Application : temperature variation.
- Water temperature display
- Precision : +/- 2%.
- Dosage unit : 0,1 litre.
- Require cold and hot water inlets under pressure.



DMT-PROG water meter with programmable hot-cold water mixer

- Water dosage at 0,1 litres and temperature programming at 0,1°C.
- Automatic mixing of 2 or 3 water supplies at different temperatures.
- Recipe memorizing.
- Control data of volume and temperature units.
- Friendly touch panel 3,5".
- Accuracy : Volume : = 1% / Temperature = +/- 1°C.
- Possible communication with your management system.



Water saver

Ice machines

Specifically designed for the dough working

Micro ice size

- For a rapid energy release.

Temperature at - 0,5°C

- To not adulterate the yeast and to reduce energy consumption.

Crushed ice

- Doesn't block and easy to dredge.

Hygienic design

- No refrigerant leak and secured hygiene thanks to the closed water supply.

High-performant ice

- Best cooling rate / production cost.

Tested and approved

- Many references available at your disposal.



Automation

Automatic silos

- Automatic ice dosage.

Conveyors

- For distribution of ice direct in dough mixers.

Fresh water liquid ice (StreamIce® or SI)

- Dosage by pumping and flowmeter.



A quality range

Maximal hygiene prohibiting

- By cleaning system / optional programmable automated disinfection.

Wide range

- up to 10,000 kg or 24.000 l SI / 24 h and many more.

Guaranteed production

- Even for high ambient temperatures.

INDUSTRIAL BAKERY WATER COOLERS DOWN TO +0,5°C WATER METERS ICE MACHINES



SOREMA 
BAKERY

MAGNERON

S.A.S. SOREMA

Z.I. du Cormier - BP 70455 - 49304 Cholet Cedex - FRANCE

Tel. : +33 2 41 62 30 29 - Fax : +33 2 41 62 81 25 - E-mail : info@sorema.com - Web : www.sorema.com

SOREMA 