

## Freshwater unit RATIOfresh

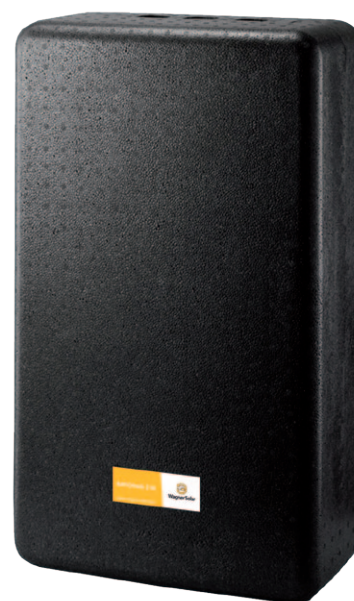


**Wagner Solar**

ENERGIETECHNIK  
ENERGY TECHNOLOGY  
TECHNOLOGIE ÉNERGÉTIQUE  
ENERGIETECHNIEK



RATIOfresh 500 / 810



RATIOfresh 210

The **RATIOfresh freshwater** unit prepares hot water only when needed. This is solar hot water generation of the future - hygienic and demand based.

### STANDOUTS

- Hygienic domestic water
- High water heating comfort
- Versatility included

### DETAILS

The RATIOfresh freshwater unit provides domestic hot water by means of flow-through heating, exactly when needed. Storing larger domestic hot water volumes is not required anymore.

A generously sized heat exchanger, in combination with high-efficiency circulator pump and an intelligent controller guarantee large tap volumes and high hot water comfort.

RATIOfresh 210 already is prepared for use with recirculation. RATIOfresh 500 and 810 is equipped with extensive circulation, disinfection and cascading functions.

## RATIOfresh 210

For hygienic domestic water heating by flow-through process in one and two family homes.

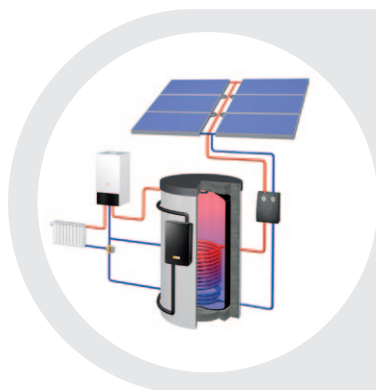
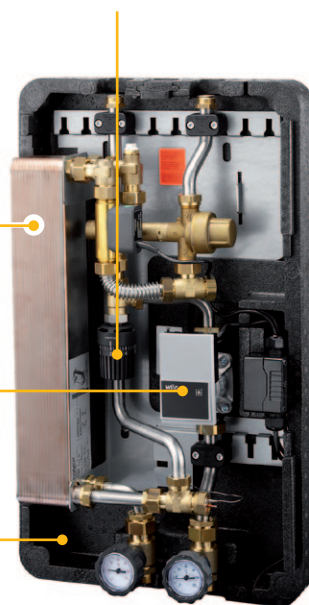
Exceptionally efficient and rugged:  
hydro-thermostatic control

Powerful soldered stainless steel heat exchanger. For maximized solar yield through low return flow temperatures in the buffer storage circuit

Demand driven high efficiency  
power saving circulation pump

Prepared for re-circulation  
operation

Easy, time-shaving installation and  
commissioning



### FRESH LINE - SOLAR PACKAGES WITH FUTURE

RATIOfresh 210, 500 and 810 also are included in the FRESH line solar packages. They offer the highest possible flexibility. Storage tanks, collector types and freshwater units can be freely combined.

The packages hence are available for a variety of solar yields and almost any imaginable building situation.

**More information at:**  
**[www.wagner-solar.com](http://www.wagner-solar.com)**



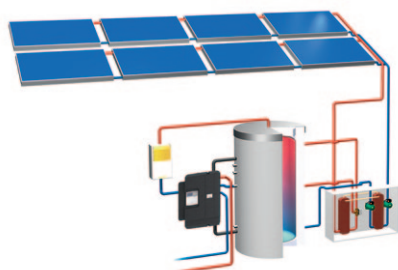
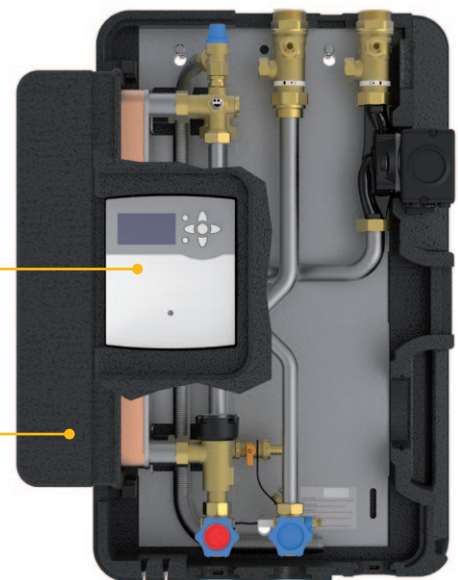
## RATIOfresh 500 and 810

For hygienic domestic water heating by flow-through process in apartment houses as well as hotels, sports facilities and industrial settings.

Easy and quick installation with flat sealing screw connections and standard power plug (230 V)

Controller with extensive re-circulation, disinfection and return-flow functions. Kaskadierungsmöglichkeit von bis zu 4 Stationen.

Generously sized stainless steel plate heat exchanger, high-quality EPP-insulation



SOLARfresh DHW system - domestic water hygiene for apartment houses

### SYSTEM COMBINATION

The freshwater unit is a component of the comprehensive plant system SOLARfresh and SOLARdrive - optimally suited for tap volumes up to 400 l/min; compact and ideal for new installations.



## Accessories



Cascade set for RATIOfresh 500 / 810



Re-circulation set for RATIOfresh  
500 / 810 with high efficiency  
circulation pump



Re-circulation connection  
set for RATIOfresh 210

Freshwater unit RATIOfresh	210	500	810
Nominal capacity			
10 °C → 45 °C (secondary, l/min)	20	50	77
60 °C (primary)			
10 °C → 60 °C (secondary, l/min)	20	53	82
45 °C (at tap)			
70 °C (primary)			
Installation types	Wall		
Dimensions (L x W x H mm)	690 x 400 x 186	795 x 602 x 298	795 x 602 x 298
Weight (kg)	16	27	42