

Freshwater units RATIOfresh / tubra nemux S



Wagner Solar

ENERGIETECHNIK
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RATIOfresh 500 / 810



tubra nemux S

The **RATIOfresh** and **tubra nemux S** freshwater units 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
- Extremely light and compact
- Versatility included

DETAILS

The RATIOfresh and tubra nemux S freshwater units provides domestic hot water by means of flow-through heating, exactly when needed. Storing of domestic hot water is not required anymore.

Intelligent pump logic and a generously sized heat exchanger guarantee high hot water comfort with great energy efficiency.

The fresh water station tubra nemux S is extremely compact, completely pre-assembled and prepared for quick connection to the storage and domestic water circuit.

RATIOfresh 500 and 810 is equipped with extensive circulation, disinfection and cascading functions.

tubra nemux S

For hygienic domestic water heating by flow-through process in single family homes.

Integrated tubra fresh water controller with extensive range of functions: Three circulation programmes, cascade function, return flow layering, dynamic reduction of the set temperature, comfort function (warm start by pre-heating the plate heat exchanger), hygiene programme and thermal disinfection

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



Completely thermally insulated, particularly compact and lightweight construction, weighs only 9 kg



Prepared for re-circulation operation

Demand driven high efficiency power saving circulation pump

Easy commissioning and installation, either on the wall or directly on the storage (with optional storage connection set)



ISFH TESTED

The German Institute for Solar Energy Research (ISFH) has tested the fresh water station tubra nemux S and attests a very high control quality and efficiency: Best measured station in comparison with other stations of the same capacity.



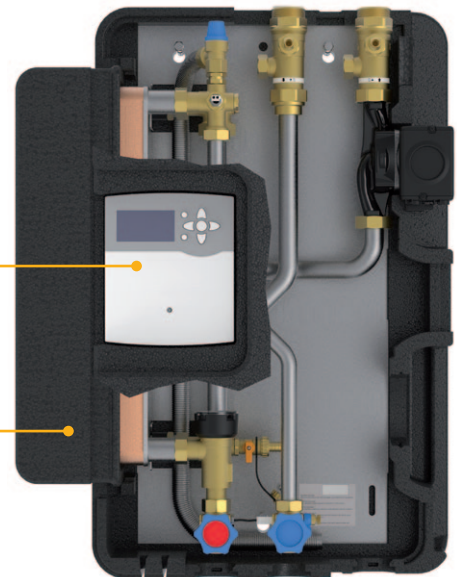
RATIOfresh 500 and 810

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. Cascading of up to 4 stations.

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



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





Accessories



tubra ball valve set
for storage and DHW
connections, 3 pcs.



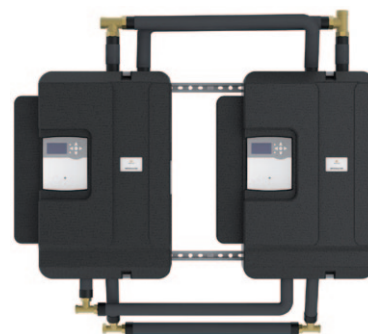
tubra cascade set
for hydraulic connection of two
tubra nemux S stations



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



Re-circulation set with circulation
pump Wilo Yonos Para Z 15/7.0 RKC,
ball valves, gravity brake and immer-
sion sleeve incl. temperature sensor
Pt1000



Cascade set for RATIOfresh 500 / 810

Freshwater units	tubra nemux		tubra nemux		RATIOfresh 500			RATIOfresh 810				
	S	M	S VE	M VE								
Version	Stainless steel heat exchanger		Full stainless steel heat exchanger									
Nominal capacity [l/min]												
10 °C → 45 °C (secondary) 60 °C (primary)	20,5	27,0	20,5	27,0	50			77				
10 °C → 60 °C (secondary) 45 °C (at tap) 70 °C (primary)	27,0	37,0	27,0	37,0	53			82				
Coefficient of performance N_L			3									
					cascade			cascade				
					2 x	3 x	4 x	2 x	3 x	4 x		
10 °C → 45 °C (sec.) 85 °C (prim.)					28	86	155	230	58	160	280	405
10 °C → 60 °C (sec.) 75 °C (prim.)					19	61	112	169	39	114	200	296
Installation type	wall/storage mounting				wall mounting							
Dimensions (LxWxH, mm)	425 x 350 x 190				795 x 602 x 298							
Weight (kg)	9				27			42				