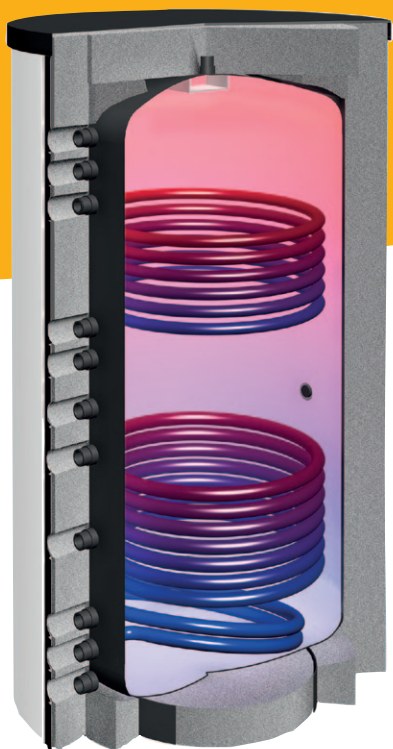


## Solar storage ECOplus, WPKR, WKS, RATIO



**Wagner Solar**

ENERGIETECHNIK  
ENERGY TECHNOLOGY  
TECHNOLOGIE ÉNERGÉTIQUE  
ENERGIETECHNIEK



Buffer storage RATIO

The solar cylinders ECOplus, WPKR, WKS and RATIO were developed for the high-efficiency storage of heat for domestic hot water and space heating and thus to maximise the solar yield.

### STANDOUTS

- Solar cylinder ECOplus for sun-warm water in bathroom and kitchen
- Combined storage WPKR and WKS – solar heating for domestic hot water and space heating
- Buffer storage RATIO for solar space heating support

### DETAILS

Enameled DHW storage tank with high efficiency, close fitting polyester fiber fleece jacket insulation.

The cost-efficient Tank-in-Tank-System allows the use of solar energy for hot water and space heating with a single storage tank.

Steel storage tanks in 4 sizes and with flexible connection options. Ideally suited for use in combination with fresh water units.

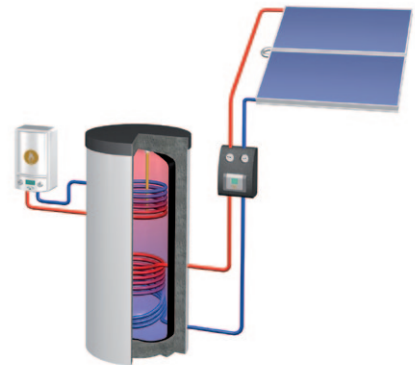
#### Four storage tanks - one concept:

**Sophisticated tank technology, seamless thermal insulation and clever accessories**

##### Solar storage ECOplus

The ideal storage tank for domestic hot water. It stores the captured solar heat with minimal heat losses.

- High efficiency polyester fiber and neopor fleece jacket insulation
- Stable Thermal Stratification due to slim column design with stabilized cold water inlet and hot water outlet flows
- Two generously dimensioned plain pipe heat exchanger coils for solar and backup heating circuits



##### Combined storage WPKR

The proven single storage solution for combined solar space heating and DHW. The domestic hot water is stored in the enameled inner tank, with the outer tank providing the space heating water.

- Solar heat exchanger for effective potable water heating and to reinforce thermal stratification in the buffer storage
- For integration into the heating circuit as return flow booster or hydraulic compensator
- Double corrosion protection with high-quality and durable enamel and magnesium protection anode or optional impressed current anode



##### Combined storage WKS

Combination cylinder for solar space heating support, with integrated corrugated stainless-steel pipe for DHW heating with flow-through principle.

- For high solar yields the DHW heat exchanger extends all the way to the bottom
- Generous flow capacity for the deployment in single-family houses



## Buffer storage RATIO

The high-quality storage tank for central heat storage. Can be combined with all common heat generators.

- Highly versatile thanks to various tank sizes and variants
- Hydronic versatility with many connections
- Prepared for installation of all freshwater units



## Perfektion in detail

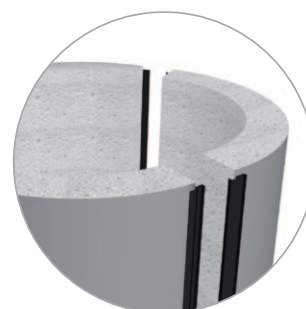
### Energy-saving convection brakes

Our patented CONVECTROL convection brakes fitted within the pipe connections prevent uncontrolled heat escape. The heat losses at the pipe connections of a solar storage can be reduced by up to 50%.



### Strong, close-fitting insulation

The neoprene and polyester fiber fleece insulation of 100-150 mm thickness efficiently minimizes heat loss. In addition, the tightly fitting insulation jackets prevent heat from escaping via convection at the storage wall.



### Easy installation

The jacket insulation with its hook closure strip for later re-tightening is easily installed. Multiple sensors can be variably positioned on the tanks' sensor terminal strips. Flat-sealing fittings ensure quick and safe pipe connections.

### Versatile applications

Our solar storage tanks offer you plenty of flexibility for customized solar thermal systems. You can choose from a range of cylinder sizes, heat exchangers and hydraulic connections in addition to the optional installation of screw-in electric immersion heaters.

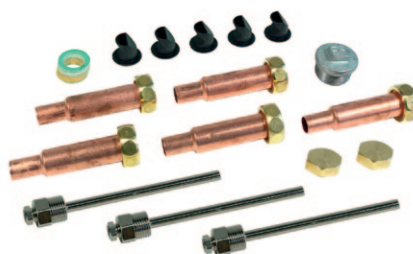




## Accessories



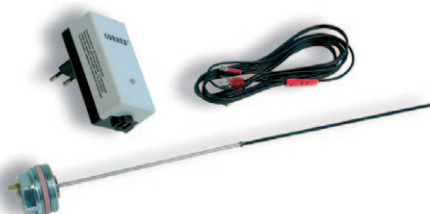
Storage attachment kit for  
solar circulation unit CIRCO



Connection kit



Electric immersion heater



CORREX-UP impressed current anode  
for maintenance free corrosion protection

Technical data	ECOplus			WPKR		WKS			RATIO			
Volume (l)	300	400	500	724	922	600	800	1000	500	700	1000	1500
Height with insulation (mm)	1645	1775	1835	2000	1990	1875	1820	2250	1850	1760	2252	2160
Diameter with insulation (mm)	750	800	850	1030	1050	960	1050	1050	850	1030	1040	1280
Tilting height without insulation (mm)	1600	1680	1800	1950	1950	1820	1820	2250	1810	1720	2210	2160
Heat exchanger	1 x solar circuit 1 x auxiliary heating circuit			1 x solar circuit		1 x solar circuit 1 x DHW			1 x solar circuit (optional) 1 x auxiliary heating circuit (optional)			
Energy efficiency class	B											

B