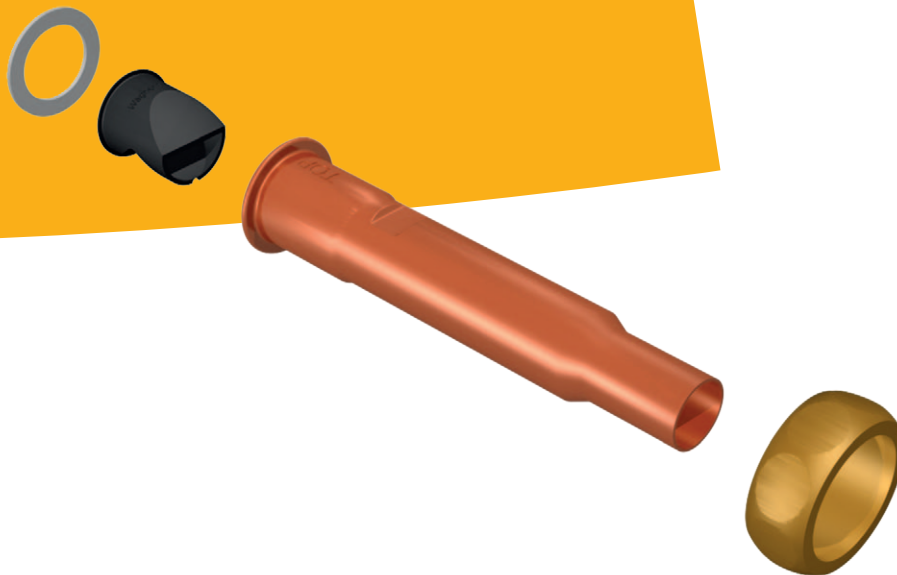


## Convection brake **CONVECTROL**



**Wagner Solar**

ENERGIETECHNIK  
ENERGY TECHNOLOGY  
TECHNOLOGIE ÉNERGÉTIQUE  
ENERGIETECHNIEK



The patented convection brake **CONVECTROL** reduces heat losses at the pipe connections of a solar storage by up to 50 %.

### STANDOUTS

- **High energy savings**
- **Long-term stability**
- **Quick installation**
- **Multiple connection options**

### DETAILS

The total heat losses of a solar storage can be reduced by up to 20 % annually using the CONVECTROL convection brake.

High-quality material properties guarantee permanent temperature resistance and tightness.

Simply insert the CONVECTROL torsion safe into the combination fitting - that's all. No gluing or degreasing required. The position is also visible in the installed state thanks to embossing.

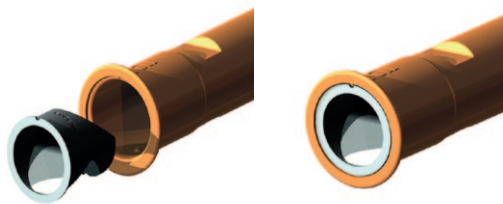
The combined fitting with 22 and 28 mm diameter enables all common pipe connections.

### High heat losses without CONVECTROL

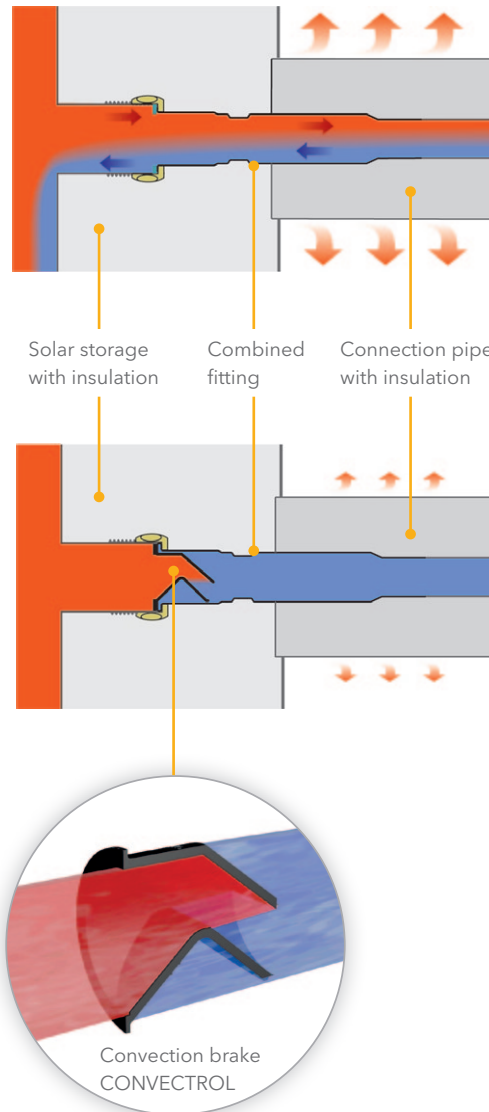
When the solar cylinder is in stand-by mode, hot water rises from the storage tank into the upper section of the connection pipe. There the water slowly cools to ambient temperature. It sinks to the lower pipe section and returns to the storage (single-pipe convection). Energy is continuously withdrawn from the cylinder.

### Heat losses reduced by up to 50 % with CONVECTROL

The offset in- and outlet nozzles create a barrier within the connection pipes, effectively preventing convection and the resulting heat losses. Additionally, losses through thermal conduction at the pipe fittings are lowered by the flat seals between the end faces. All in all heat loss at pipe connections is reduced by up to 50 %.



The CONVECTROL is simply inserted torsion safe into a combination fitting



Technical data	CONVECTROL
Outer diameter	30 mm / 27 mm, installation in combined fitting
Length	30 mm
Material	PPS fibre glass re-enforced
Thermal stability (ISO 75)	270 °C
Continuous operation temperature	95 °C
Temporary maximum temperature	140 °C