The Jenni system

45 years of experience in solar thermal energy
Solarpark
Burgdorf
Home of the
Swiss Solartank®

- Waste energy
- District heating
- Photovoltaics
- Solar thermal
- Heat pumps
- Wood stove
- wood, wood chip, pellet boiler
- control
- SWISS MADE

Jenni Energietechnik
Simple but crucial physical principles
Machine for uncoiling
111 150 litres, district heating (wood chips)

18 000 litres, apartment building (wood pellets and solar)

103 050 litres district heating (heat recovery from waste water and sugar production, wood)

3x 11 780 litres district heating (wood chips)
Solar buildings
One-family solar home, 1989
One-family solar home, 1989
Temperature progression in the first winter
First 100% solar heated apartment building, 2005
First 100% solar heated apartment building, 2005
The Jenni solar system
The thermal energy tank as an intelligent distributor

Stratification at its best
Tank volume of 205`000 l

Conceptual advancement
Tank volume of 108`000 l
Family home Bätterkinden
- 52m² collectors
- 9400l tank (4820 mm, Ø 1600mm)
- wood stove with heat exchange tubes
- 80% solar coverage
Elsenborn, Belgium
- 29m² solar thermal collectors
- 9400 litre Swiss Solartank
- solar coverage 60%
Family home in Valais / Swiss mountains

- 29m² collectors
- 2x 3610l solartank
- wood stove with heat exchange tubes
Bachperle, Mettmenstetten with

- 53 apartments
- 180m² collectors
- 88 800 l main solartank
- 5 sub-stations with a total of 13 920 l
- 3x 65 kW wood chips boiler
MFH Adliswil, VBAU

- 5 apartments
- 70m² collectors
- 28 140 l solartank
- 85% solar coverage
- mobile wood pellet boiler
Denser living in Zürich VBAU

- 38m² collectors
- 57m² photovoltaics
- wood pellet boiler
- 5700 Litre Swiss Solartank
- additionally: greywater utilisation, etc.
FASA AG, Solardomizil 3

- 310m² collectors
- 70,000 liter Swiss Solartank
The architectural challenge
The house of the future is solar heated
Further possible advancements of the Jenni system (research by Swiss solar institute)


Calculated costs per square meter by our partner FASA AG (German only)


high solar coverage systems that perform economically the best, cover around 50-70% of heating and warmwater demand with solar energy

Family home, central Switzerland
20m² collectors
3900 liter tank (2100mm, Ø1600)
good insulation, big south-facing windows
70% solar coverage