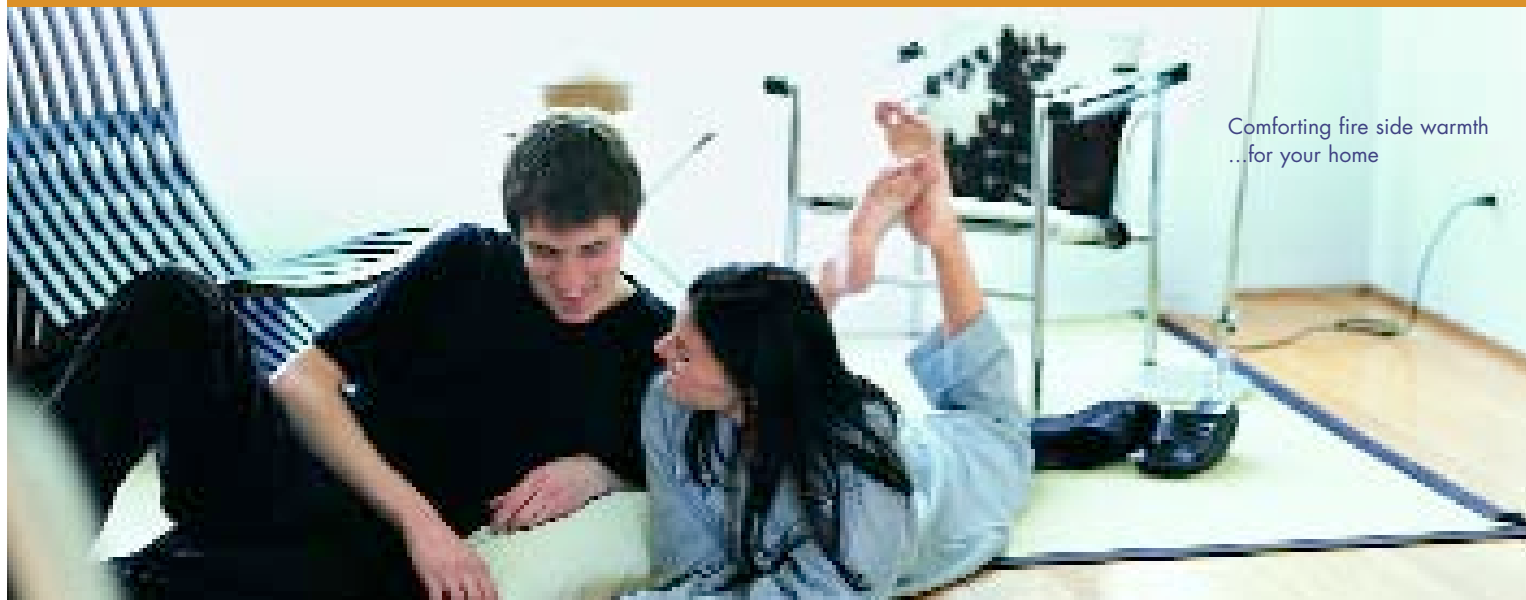


LENIUS Range

Fire side warmth in your living-room



Comforting fire side warmth
...for your home



LENIUS AP and LENIUS CP (Pellets)

LENIUS AP: 100 % heat into room air with an output of 2 - 6 kW

LENIUS CP: 80 % heat to water into existing heating installation and 20 % room heating with an output of 2 - 10 kW.



LENIUS CL (logs)

70 % heat to water into existing heating installation and 30 % room heating with a nominal heat output of 8kW.

The LENIUS range

The stoves of the LENIUS range for living spaces can be combined with Consolar solar installations for a complete CO₂-neutral heat supply. Wood is the ideal supplement to stored solar energy for a modern house and it produces a cosy atmosphere in the living room.

Appealing and flexible

- Outstanding design and comforting warmth for every living room
- Either just room heating, or room and water heating integration into existing heating installation (with LENIUS CP)
- Easy integration into all existing heating systems (oil, gas etc.)
- Usable as central heating in low energy houses and passive houses

Advantages at a glance

- Optimal supplement to your solar installation as CO₂-neutral heating
- Efficient pellet burning because of its automatic regulation and air flow rate sensors*
- Simple operation with its accurate display and error analysis
- High safety through burn back protection and temperature sensors*
- The quiet mechanism of the screw conveyor gives great comfort and no noise pollution*

* with LENIUS AP and LENIUS CP





LENIUS AP and LENIUS CP Comfortable heating with biomass

LENIUS CP was awarded the German 'Blue Angel' for eco-friendly products because of its good emission values and its very good energy efficiency.



LENIUS AP or LENIUS CP - very appealing in the living room

Fuel savings by air flow monitoring and control

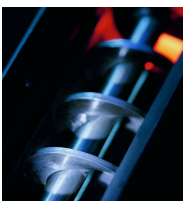
Within certain limits an air flow rate sensor facilitates an automatic adaptation to the length of the chimney, it reacts to the degree of pollution and maintains combustion



conditions constant. There is accurate pellet measurement in the screw conveyor, which is driven by a synchronous motor, and this contributes to a clean combustion and a saving in the amount of pellets required for refilling.

Simple operation for maximum comfort

The operation of the stove is simple - the automatic stove ignition occurs at the push of a button or from a



connected regulator like the Consolar CONTROL range. The electric blower and the screw conveyor are especially quiet in comparison with other stoves and are hardly audible alongside the sound of the flames - making the fire side warmth

thoroughly enjoyable. The operation and control display of the appliances are easy to understand and the pellets can be easily refilled using the refill flap.

Safety through temperature measurement

Constant measurement of the temperature in the pellet slide prevents a backflow in all operational conditions. A burn back protection prevents sawdust remaining on the slide from smouldering, this reduces the risk of spreading the flame. The pellet stove takes a maximum of 27 kg of wood pellets and burns up to 54 hours safely and extremely quietly.



Eco-friendliness

With a LENIUS pellet stove you achieve CO₂-neutral energy and therefore are heating more environmentally soundly than if you were using oil or gas systems. LENIUS CP has been awarded the 'Blue Angel' because of its good emission values. The German 'Blue Angel' award is the most reliable indicator for ecologically tested high quality products.



Long service life and reliability of the LENIUS range

The LENIUS stoves are particularly durable and long-lasting because of their steel boilers. A special diagnostic and maintenance monitoring system analyses arising faults safely and accurately, this allows for quick rectification by the display of error codes. The screw conveyor, which accurately dispenses the pellets, is particularly low-maintenance (no greasing required) and reliable.



Attractive design

Through their elegant design the LENIUS pellet stoves bring a warm cosy atmosphere into every living-room. The large special glass panel allows a good view of the combustion chamber and gives warmth and cosiness into your living-room.

Government grants

The LENIUS CP pellet stove may be supported by grants in the UK.

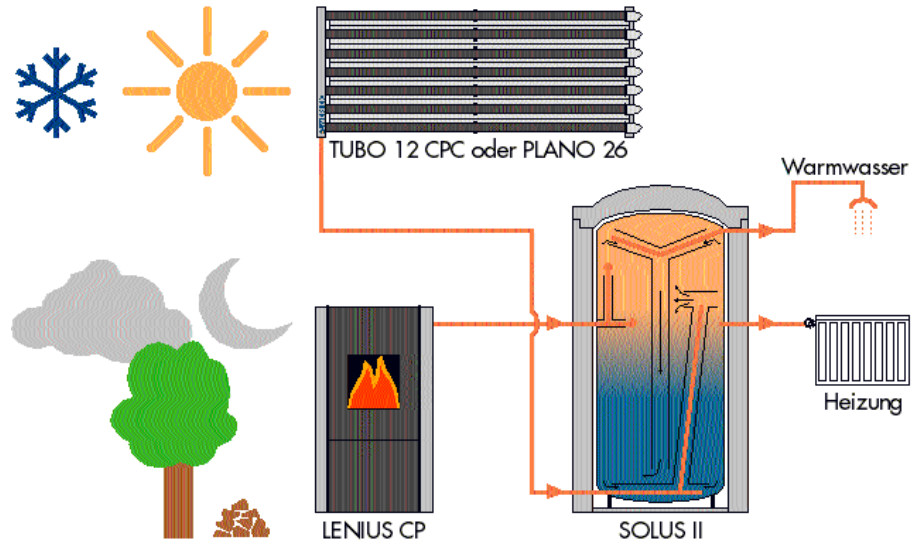
High-efficiency solar installations

Inspiring high performance technology



Choose high performance technology by Consolar:

- 20,000 tried-and-tested installations Europe wide
- Over 20 patents and registered designs
- Collaboration with renowned institutes and research facilities
- Ethically responsible with in-house development and environmentally-friendly manufacturing in southern Germany
- Longevity and safety due to high-grade raw materials and more than 20 years development experience



Solar installation with a LENIUS connection and heat flows

LENIUS CL - the solid fuel stove as the ideal connection to your central heating system

- 70 % output to water to a buffering thermal store e.g. a Consolar SOLUS II
- 30 % to room heating
- Maximum nominal output 8 kW
- Integrated water heat exchanger with 21 content
- High grade double walled construction from steel and cast iron
- Fuel selector for optimised wood burning
- Thermal drainage protection, boiler thermostat, and also an integrated filling/emptying valve and bleeder valve



Image: LENIUS CL - elegance for your living-room

LENIUS - heating can be this beautiful



Technical data	LENIUS AP (pellets)	LENIUS CP (pellets)	LENIUS CL (logs)
Net weight with cladding	ca. 129 kg	ca. 144 kg	ca. 219 kg
Dimensions: width x height x depth (ca. specifications in mm)	585 x 988 x 542	585 x 988 x 542	555 x 1238 x 522
Flue gas stack diameter	100 mm horizontal, rear	100 mm horizontal, rear	150 mm top
Nominal heat output	6 kW (2 - 6 kW)	10 kW (2 - 10 kW)	8 kW
Performance ratio water/air at nominal output	0% / 100%	80% / 20%	70% / 30%
Capacity of storage container	ca. 27 kg	ca. 27 kg	-
Fuel consumption pellets (min./max. output)	ca. 0,5 kg/h / ca 1,5 kg/h	ca. 0,5 kg/h / ca 2,5 kg/h	-
Operation time with one refill of pellets (min./max. output)	ca. 54 h / ca. 18 h	ca. 54 h / ca. 11 h	-
CO-content in flue gas	< 0.01 Vol %	< 0.01 Vol %	< 0.12 Vol %
Flue gas mass flow (min./max. output)	6,0 g/s / 6,0 g/s	6,4 g/s / 9,5 g/s	9 g/s
Flue gas temperature (min./max. output)	157°C / 229°C	55°C / 140°C	200°C
Necessary delivery pressure of chimney	0 Pa	0 Pa	13 Pa
Multiple allocation at a shared chimney possible	Yes, according to DIN 18891 type 1	Yes, according to DIN 18891 type 1	Yes, according to DIN 18891 type 1
Diameter of air intake duct for combustion air (dependent on room air)	60 mm	60 mm	100 mm
Combustion regulation (type)	air flow rate sensor	air flow rate sensor	thermo-regulator
Tests (selection)	EN 14785; B15a-BVG (Austria) applied for, Stuttgart and Regensburg values fulfilled	EN 14785; B15a-BVG (Austria) applied for, Stuttgart and Regensburg values fulfilled	EN 13240; B15a-BVG (Austria) applied for, Stuttgart and Regensburg values fulfilled
'Blue Angel' according to RAL UZ 111	-	awarded	-
Permitted fuels	wood pellets according to DINplus, ±NORM M7135	wood pellets according to DINplus, ±NORM M7135	Wood / wood briquettes / lignite briquettes
Electric power input	< 50 W (ignition ca. 250 W short-term)	< 50 W (ignition ca. 250 W short-term)	-
Voltage / fuse	230 V (50 Hz) / 5 A	230 V (50 Hz) / 5 A	-
Capacity heat exchanger	not present	ca. 4 litre	ca. 21 litre
Max. operation pressure / max. operation temperature	- / -	3 bar / 100°C	2,5 bar / 95°C
Temperature regulator	-	75°C	-
Temperature monitor	-	85°C	-
Safety temperature limiter	95°C	95°C	-
Discharge safety device	-	-	yes
Water-side resistance at flow rate 600 l/h	-	ca. 140 mbar	ca. 100 mbar
Adjustment of heating output	Display	Display	-
Connection possibility for room thermostat	Single-level or external module	Single-level or external module	-
Casing colour	silver-grey	silver-grey	metallic

Presented by:

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UK

Consolar UK, Greenshop Solar, Bisley, Stroud, Gloucestershire. GL6 7BX
www.consolar.co.uk info@consolar.co.uk
Consolar UK: 01452 772030

Consolar GmbH
 Vertriebszentrale
 Strubbergstraße 70
 60489 Frankfurt, Germany
 Fax +49 (0)69/740 93 28-50

Consolar GmbH
 Regio-Vertrieb
 Gewerbestraße 7
 79539 Lörrach, Germany
 Fax +49 (0)7621/422 28-31

info@consolar.de, www.consolar.com

