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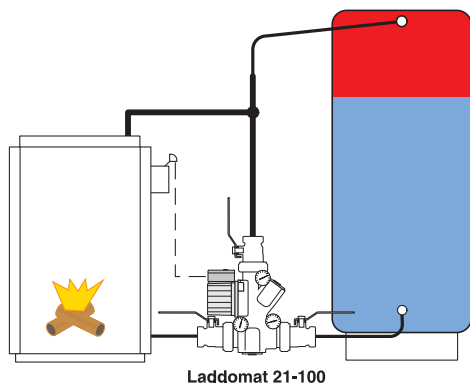
Laddomat® 21-100

Charging unit for a solid fuel boiler
to a heat storage tank.

Laddomat 21-100 is a complete unit and is simple to install. Laddomat 21-100 ensures perfect charging of the tank.

Thanks to efficient hot water control, Laddomat 21-100 can have a higher opening temperature at high boiler output compared to other similar products.

- **Laddomat 21-100** enables the boiler to quickly attain the right working temperature and then charges with a slow flow and a high and even temperature. The vitally important boundary layer* between hot and cold water is therefore optimal.
- **Laddomat 21-100** increases the return temperature to the boiler bottom. It prevents corrosion and extends the service life of the boiler.
- During the final part of firing, **Laddomat 21-100** charges the storage tank fully, thanks to the unique thermal valve, which closes the bypass port completely.
- After firing, **Laddomat 21-100** makes use of the residual heat in the boiler and embers by the self-circulation of hot water from the top of the boiler into the storage tank.



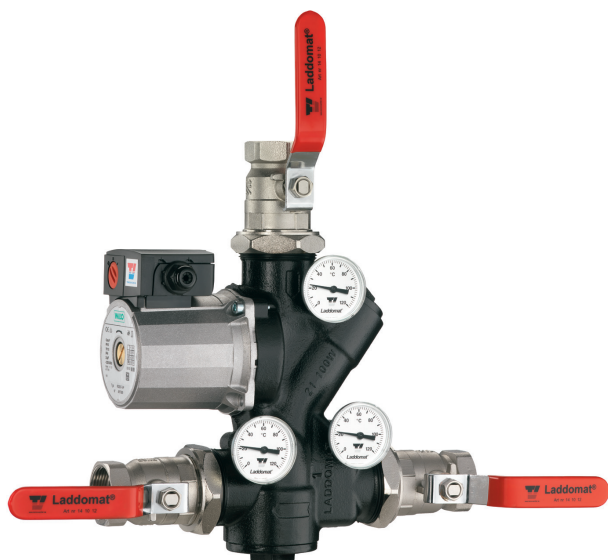
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Technical data

Pump:	Wilo RS25-7-3
Connections:	3 x R32 with lever
Opening temperature:	72° (standard). 63°, 78° or 83°C on special order
Boiler output:	max 120 kW

- In the event of a power failure **Laddomat 21-100** starts charging the tank automatically by self-circulation. The same happens if the pump fails = **High operational reliability!**
- Simple dimensioning - **Laddomat 21-100** is suitable for use with any boiler up to 120 kW.
- **Laddomat 21-100** has a rugged design with generous sealing surfaces, for simple fitting.
- **Laddomat 21-100** is manufactured for maximum service life and problem free function. For example, the valve does not have any cast seats that can cause corrosion and leakage and is designed to have a minimal risk of oscillation.
- **Laddomat 21-100** is extremely easy to service compared to other "solutions". The shut-off valves with levers mean that maintenance can be carried out easily without draining the system.
- The shut off valves have extra large openings to cope with the maximum flow demand at the end of the charging period and during self-circulation.
- Three thermometers offer full control over the charging cycle.
- Very small general dimensions and low weight allow easy installation.

*Layering = A thin border between the hot water on top and the colder, denser water underneath.



LADDOMAT®
by Termoventiler AB

Tel +46 (0)321 261 80

Fax +46 (0)321 261 89

www.termoventiler.se