

Janfire System Jet Pellets heating for housing properties and district heating

Janfire
pellets heating

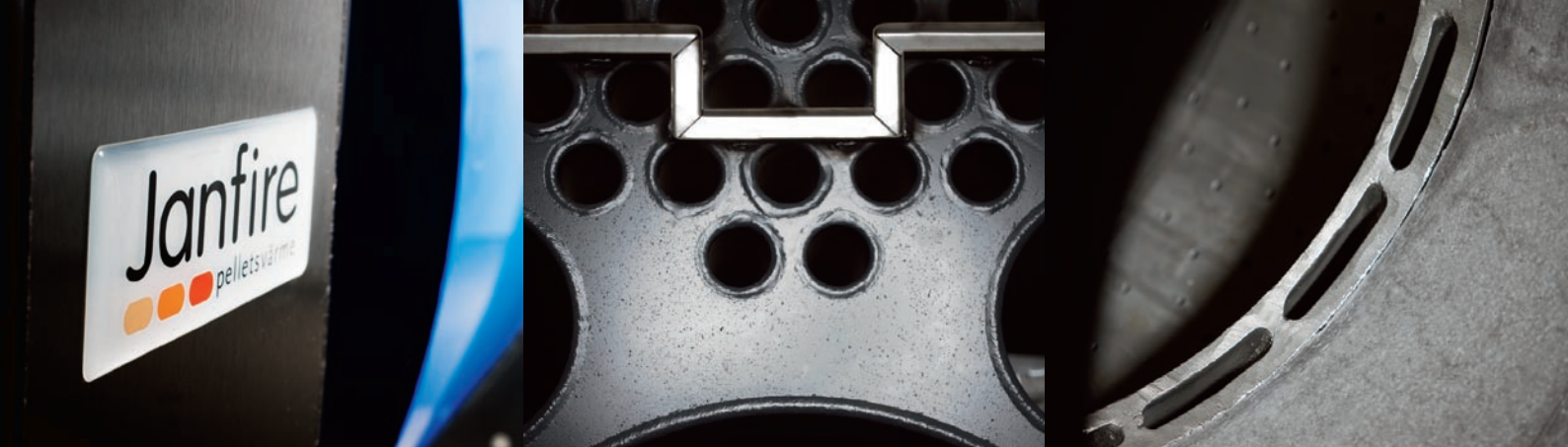


Function, environment and economy

The Janfire System Jet is the solution for you if you are looking for a system that can deliver affordable and environmentally friendly heating to your rental housing. And why not heating for schools, retirement homes or hospitals.

The Janfire System Jet is also for you if you are in the market of selling energy. For over 20 years, we at Janfire have worked to develop the technology behind effective pellets combustion with cost efficiency, comfort and long term environmental

responsibility in focus. Our efforts have resulted in the Janfire System Jet – the market's most profitable system for pellets heating.



Maximum efficiency for long term profitability

For a unit to be profitable throughout its life cycle a high efficiency level is required – no matter what percent of the maximum output is utilized. Our system always works at the optimal output level in relation to your energy needs down to 2 % of the maximum output level, thanks to our modulated output regulation. Together our patented burner construction, optimized furnace and Janfire exhaust

acceleration produce minimal emissions, high output levels and long intervals between maintenance periods.

From pellets to ashes automatically

The Janfire System Jet is a completely self contained system where all functions are performed automatically, everything from filling the fuel silos to emptying the ashes. The need

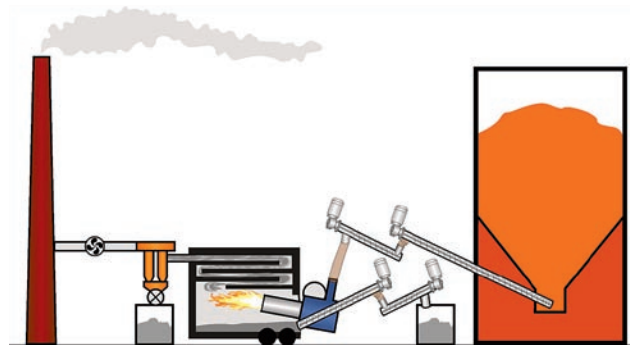
for manual labour has been reduced to almost nothing by using a tried and tested technology.

In partnership with reliability and simplicity

Together with our authorized project partners we deliver complete system packages including the construction contracting and service. We are always close to our clients and for that reason we can maintain a high level of service and carry out effective projects.

First in the world

Janfire is a leading supplier of simple, environmentally friendly pellets heating systems. We develop and produce complete solutions for private housing and larger properties. Since our beginning in 1983 we have focused on user friendliness and comfort. Thanks to our innovative solutions we can offer pellets heating that practically requires no maintenance.



The Janfire System Jet is a complete solution and can be installed in any property which is larger than private housing and uses water for heat transfer. The system is available with output levels from 40 kW to 3 x 600 kW.

Most importantly - What do our costumers think?

"Low energy production costs are important to us because we in turn sell energy. The low production costs from pellets heating together with the systems reliability and low maintenance make the Janfire Jet an evident choice for us".

Nisse Russ, Maintenance supervisor Statoil Energi / Pellets heating.

"When we negotiated with Janfire we were promised long intervals between when we would need to sweep the system. That promise has been delivered upon thanks to the Janfire System Jet's high efficiency and combustion rate."

Örjan Lundberg, Project manager Sydkraft Värme, Norrland.

"We were looking for a complete solution, everything from furnace to installation. We got it all with Janfire – every last bit".

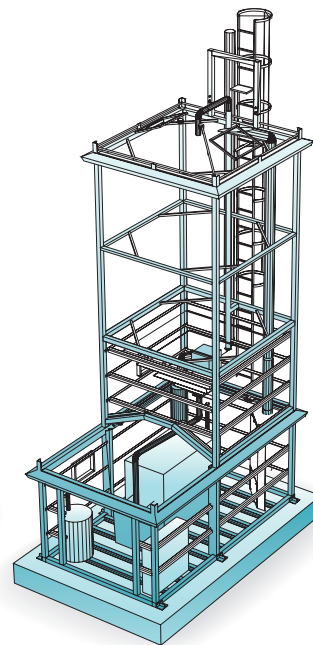
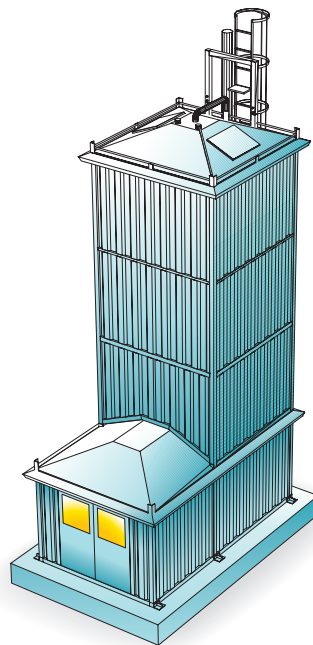
Lars-Göran Björhagen, Project manager Jönköpings Energi.

"When we converted our burners from oil to pellets heating, we mostly chose Janfire. We have not regretted that. With its robust construction the furnace maintenance is easy."

Joakim Andersson, Project manager Granninge Kalmar Värme AB.

Placement flexibility External furnace

If the Janfire System Jet does not fit into your existing furnace room we have complete furnace units that can easily be placed at another location on your property, even outside the building. Our furnace units also have the advantage of being able to be relocated afterwards if needed. The furnace units have several different designs to fit the outside environment.



Product facts

Emissions – average values

CO ₂	15 %
CO	100 ppm
Ashes	With cyclone 100 mg/Nm ³ Without cyclone 325 mg/Nm ³
NO _x	80 ppm

Ash content

Max 0,3 % over the fuel's ash content.

Efficiency

85–95 % furnace efficiency, depending of the operational situation and on the pellets quality.

Outlets for the electrical output

Supply 3-phase, 400V, 50 Hz.
Max outlet output 2,8–6,6 kW.

Fuel

Pellets are 6–12 mm in diameter and are composed of raw material from trees that are finely ground, max 25 % of the volume.

Automatic emptying of ashes

Continuous during operation.

Janfire Jet with Janfire's patented furnace system with rotating burner drums. (U.S. Patent 6,164,220;WHO 95/29366). Regulation of the system is based upon PLC-technique. The burner's output is regulated and adjusted continuously to heating needs, from 2 % to 100 % of the maximum output level. The unit is equipped with O₂ regulation which continuously controls the air quality to obtain the optimal air-to-fuel mixture to ensure the most effective combustion rates, regardless of pellets quality or output level.



It has never been easier to choose wisely

For more information, please visit www.janfire.com or contact us at +46 (0)532 164 57

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