

10%-40%
FUEL SAVINGS

DRAFT STABILIZATION

ZERO BACKDRAFTS

SMOG REDUCTION

DRY CHIMNEY

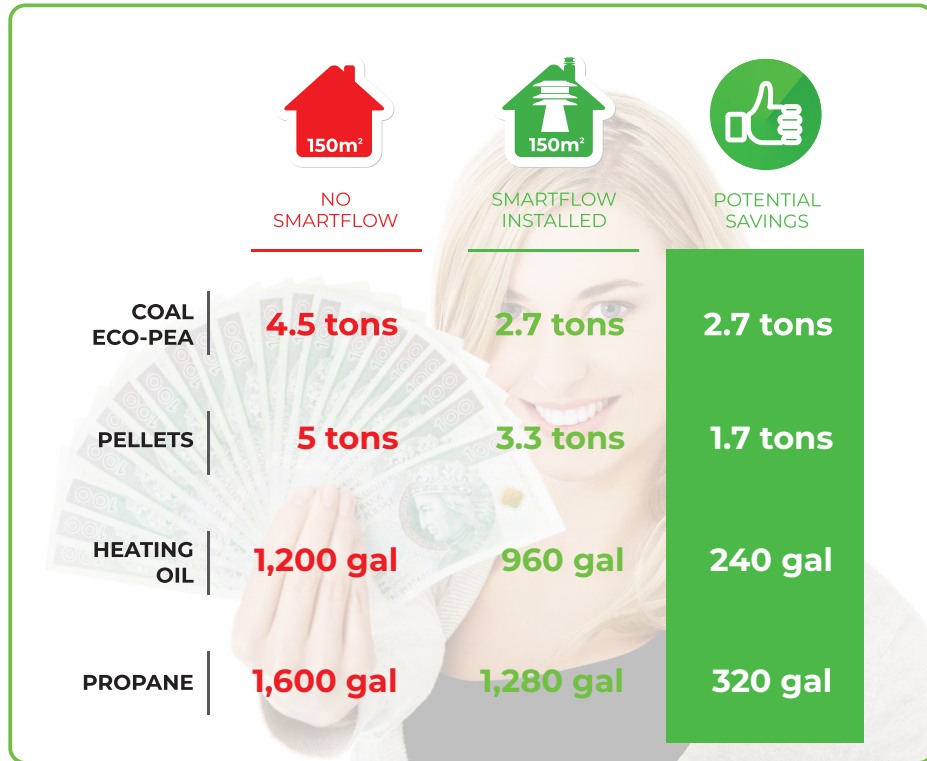


STOP BURNING YOUR MONEY!

Save 10% to 40% on heating!

Main advantage of SMARTFLOW over anything that currently exists in the chimney cap market, is its **versatility**, because it is **great for gas and oil** systems, as well as those using solid fuels, like **pellet or wood**. SMARTFLOW works just as well on old installations, as it works on newest ones. It is needed everywhere where combustion is used to create heat, because every device converting fuel into heat energy, needs a **specific amount of air** delivered into the combustion chamber. Constantly changing

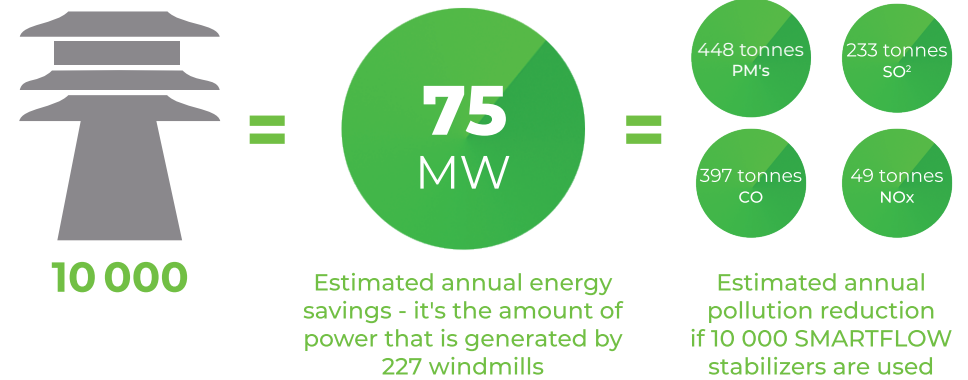
weather conditions and wind speeds, and directions, prevent efficient operation of any heating system. Once equipped with SMARTFLOW, it all changes. SMARTFLOW lets you adjust the parameters of the chimney to precisely match the boiler's needs and it will make the air flow stable. It will make the **chimney draft virtually independent on weather conditions** including wind speed or direction - it will stabilize it. Wind tunnel testing gave us the ultimate proof.



Savings percentage based on study performed by Bialystok University of Technology, own research and clients' testimonials. Estimated fuel consumption for homes without Smartflow is based on internet research.

REDUCE POLLUTION, FIGHT SMOG!

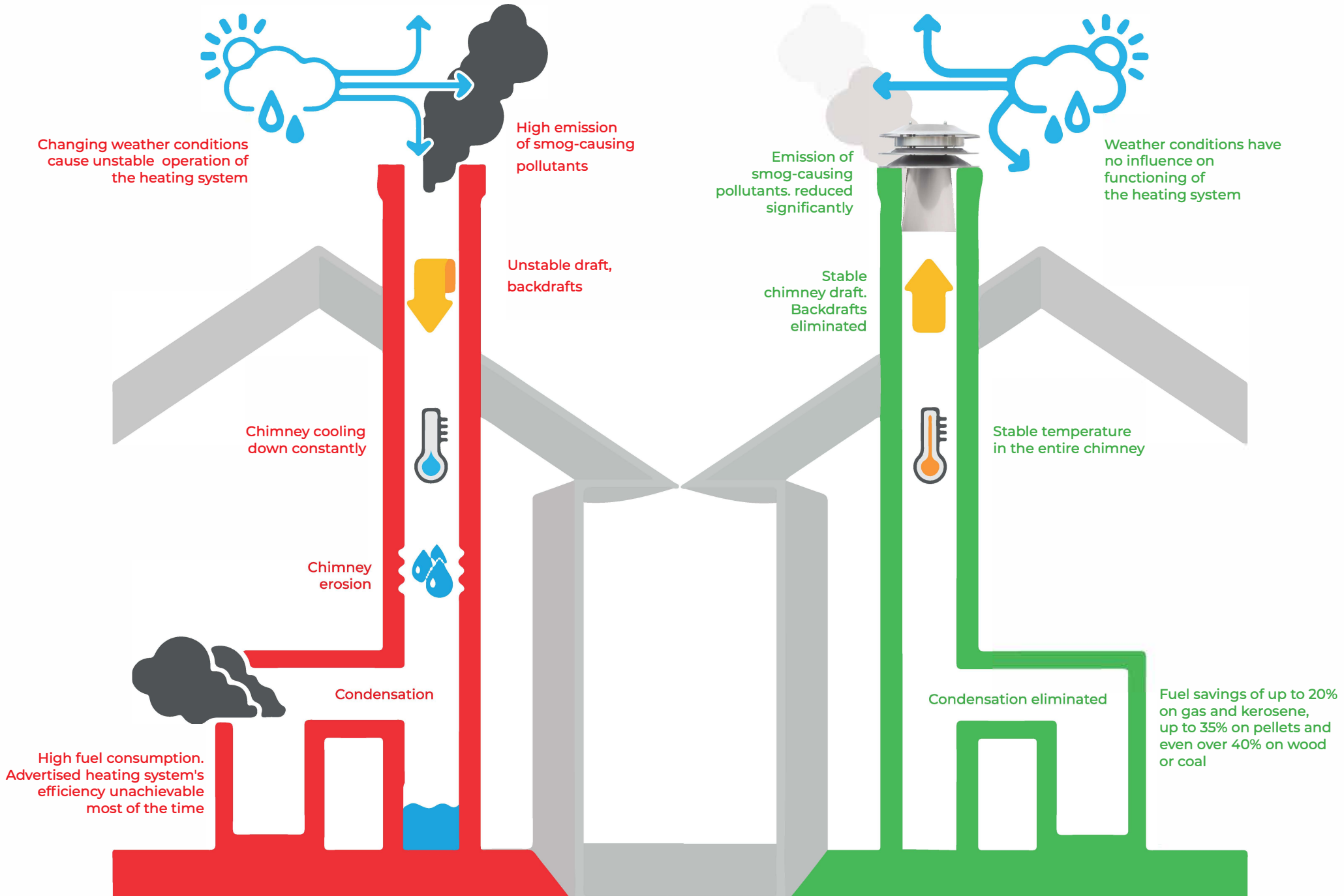
SMARTFLOW means significant increase in air quality



Despite the fact that heating systems are more and more technologically advanced these days, processes happening inside of them, remain the same. All systems, while generating heat, pollute the environment. Those working in the residential units and smaller industrial ones, are the biggest contributor to the deadly low-stack emission and smog. It is a world-wide problem that gets a lot of well-deserved attention, and lots and lots of money is spent on reducing it. No wonder, as in the winter months, up to 90% of PM's and SO₂ emissions can be traced back to the low-stack emission sources.

SMARTFLOW is a great alternative to expensive methods of emission reduction. Its undeniable qualities in this matter have been recognized by numerous institutions and award committees. SMARTFLOW has been on the market for years, it has undergone thorough scientific research but above all, thousands of users have confirmed its fuel-saving and emission-reducing abilities. Its value for money is undeniable and we can for sure state, that it is without a doubt, one of the best and most cost-effective ways of contributing to a fight against climate changes.





VERSATILITY

Any heating system, fireplaces, ventilation



HEATING

SMARTFLOW works with all heating systems. SMARTFLOW will stabilize functioning of heating systems using coal, wood, pellets, gas and kerosene. It does not matter whether the system is an old one, or the newest. In all cases, chimney draft that is stable and independent on weather conditions thanks to SMARTFLOW, will bring fuel savings and will make the system much easier to use. Heating systems will also need much less maintenance which means more savings.



FIREPLACES

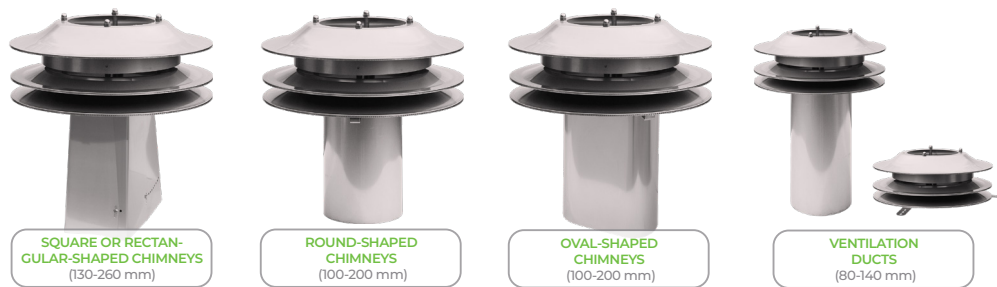
Imagine no backdrafts, clean glass, much longer burning of the same load of wood. Add to it minimal amount of ashes and a stable, calm fire, even if the wind outside can blow your hat off. SMARTFLOW users report that their fireplaces are a joy to use again and that they use up to 50% less wood, while achieving the same results. If you own a fireplace, SMARTFLOW is a must-have!



VENTILATION

SMARTFLOW Junior is a miniature version of our revolutionary chimney cap, that was created to provide the benefits of a stable draft to ventilation ducts. Just like it's big brother, it was thoroughly tested in aerodynamic tunnel and fine-tuned to perfection. SMARTFLOW on top of a ventilation duct means no heating losses and no fungi growth. These benefits translate to energy savings and better quality of life.

Every kind, shape and size of chimney



SQUARE OR RECTANGULAR-SHAPED CHIMNEYS (130-260 mm)

ROUND-SHAPED CHIMNEYS (100-200 mm)

OVAL-SHAPED CHIMNEYS (100-200 mm)

VENTILATION DUCTS (80-140 mm)

SMARTFLOWS for larger chimneys (up to 1000 mm) are available on special order.

RESEARCHED, TESTED, PROVEN

Renowned research institutes and foundations, thousands of users

From the very beginning, our goal was to have SMARTFLOW tested and certified for use on any market we planned on selling it. All research and certification institutes we reached out to, confirmed SMARTFLOW's characteristics and certificates issued by those institutes are a proof of SMARTFLOW's safety. We started in Poland and obtained certification from two major institutes, then Czech Republic and Hungary and finally, a certificate covering entire EU.

Meeting standards and obtaining certifications is a requirement, but we are happy to inform that SMARTFLOW was also recognized on by many award committees as well as environmentally-driven foundations such as Clean Air Foundation and Henry Ford Foundation. What we cherish the most however, are the opinions and satisfaction of thousands of our customers - SMARTFLOW users that each and every day save their hard-earned money and contribute to a fight with climate change by saving on fuel.

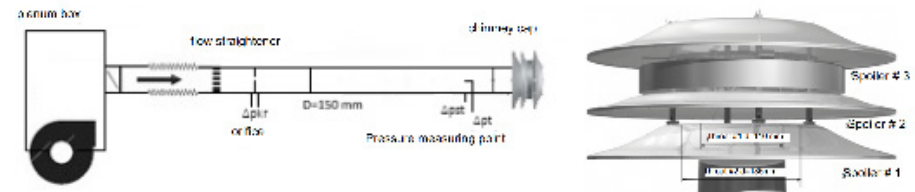


Figure 1 Test stand layout and chimney cap



Part of conclusions from wind tunnel testing:
The chimney cap has a positive effect on ventilation duct air flow, making it independent from variable weather conditions.





ABOUT POLMAR

POLMAR is a family company with 40 years of tradition. Our mission is to improve the life of everyone by providing solutions that allow saving on heating and reduce emission of harmful, smog-creating pollutants into the atmosphere.

We cordially invite you to try our family of SMARTFLOW products. We are so certain of their qualities and characteristics that we provide a 100% satisfaction guarantee. We let our users experience SMARTFLOW for up to 3 months and allow returning it, if for some reason a client is not 100% happy. The quality of materials we use let us provide a 5-year warranty on SMARTFLOW and 25-year warranty on SMARTFLOW Junior.

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