

# EndoTherm<sup>®</sup>

ENERGY SAVING ADDITIVE FOR HEATING SYSTEMS

UP TO  
**15%**  
ENERGY  
SAVINGS



CIBSE BUILDING PERFORMANCE  
AWARD WINNING ENERGY  
SAVING PRODUCT



REDUCE SPACE HEATING  
ENERGY CONSUMPTION



REDUCE GREENHOUSE  
GAS EMISSIONS



FAST RETURN ON  
INVESTMENT



EASY TO INSTALL IN  
NEW & OLD SYSTEMS

EndoTherm is a unique, multi-award-winning, energy saving additive for wet heating systems.

Installed at 1% of system volume and independently proven to save up to 15% on space heating energy consumption and deliver significant reduction of greenhouse gas emissions.



Reduce energy consumption and heating costs by up to 15%.



Independent laboratory, third party tested and verified.



Typical return on investment in under one year.



Compatible with leading boiler and inhibitor brands when dosed.



Substantial reduction of carbon emissions - hit 'net zero' targets



Non-corrosive, non-hazardous with no discharge requirements.



Single day CO<sub>2</sub>e payback - Low carbon footprint product.



Easy installation with zero disturbance or system downtime.



100% Organic substance, ecologically-sound and sustainable.



Multi-award winning technology with industry recognition.



[www.endotherm.co.uk](http://www.endotherm.co.uk)



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# EndoTherm<sup>®</sup>

## Energy Saving Case Studies

Installed and saving energy in over 150,000 buildings worldwide

Scalable to work in all wet heating systems - commercial, industrial and domestic



## Award Winning & Industry Recognised



LES EURÉKA 2022  
FOR A GREEN AND PROSPEROUS  
QUEBEC



NATIONAL ENERGY EFFICIENCY  
AWARDS 2020/21  
BOILER & HEATING PROJECT



H&V NEWS AWARDS 2019  
SMALL COMPANY ACHIEVEMENT  
OF THE YEAR



SHELL SPRINGBOARD 2018  
LOW CARBON INNOVATION  
REGIONAL WINNER



ENERGY EFFICIENCY & HEALTHY  
HOMES REGIONAL AWARDS 2017  
SMALL SCALE PROJECT OF THE YEAR



CIBSE BUILDING PERFORMANCE  
AWARDS 2016 - ENERGY SAVING  
PRODUCT OF THE YEAR



H&V NEWS AWARDS 2015  
DOMESTIC H&V  
PRODUCT OF THE YEAR



ECOBUILD 2015  
M&S BIG INNOVATION PITCH  
WINNER



MEMBER OF THE HEATING  
& HOTWATER INDUSTRY  
COUNCIL



Direct comparison tests with and without EndoTherm indicates that **the gas consumption of the boiler in a heating system can be reduced by up to 15% with EndoTherm.**

The empirical evidence indicates that the addition of EndoTherm can significantly reduce space heating gas consumption and therefore CO<sub>2</sub>e emissions.

**We have our own active in-house research laboratories and we continue to invest in and work with Universities to build long term knowledge driven relationships.**



In partnership with University of Chester and Liverpool John Moores University, researchers are experimentally quantifying, to much higher accuracy than ever before, the fluid behaviour changes caused by EndoTherm, and are exploring through simulation impacts of these changes on building and heating system behaviour.

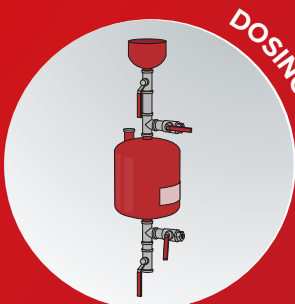


The recorded gas consumption from tests was compared and results showed that **systems dosed with EndoTherm consumed 10.4% less gas than systems containing only water.**

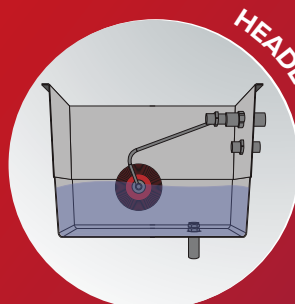


**EndoTherm achieved a 19.2% improvement in heating during experiments.** Testing also showed EndoTherm liberated this thermal energy much quicker through an improvement in heat transfer.

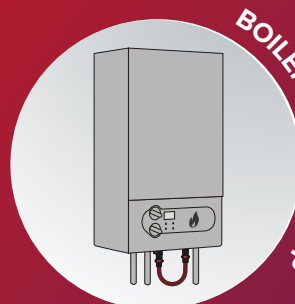
**Installing EndoTherm is quick and easy, very similar to installing an inhibitor. Compatible with all leading boiler and inhibitor brands without invalidating warranties, EndoTherm can be added to any wet heating system via the following injection points:**



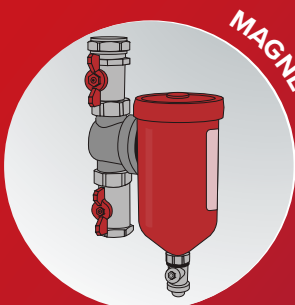
**DOSING POT**



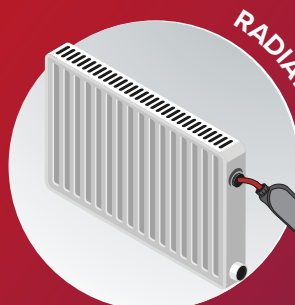
**HEADER TANK**



**BOILER FILLING LOOP**



**MAGNETIC FILTER**



**RADIATOR**



**TOWEL RADIATOR**

# TESTIMONIALS

EndoTherm success from our customers in their own words



"The (EndoTherm) project certainly hasn't disappointed, installation was extremely simple and savings have by far exceeded our initial expectations. The installation at Lingley Mere has been a huge success and is continuing to realise savings month on month."

**Stephen Vaughan, Energy Manager  
EMCOR UK**



"Rhondda Cynon Taf County Borough Council have tried a few test cases looking at EndoTherm. We added EndoTherm into a variety of domestic buildings with no other changes. We have discovered that radiators reported as hotter (from people unaware of what we have done) and a reduction in consumption between 12-21%."

**Jon Arroyo, Energy Manager  
Rhondda Cynon Taf County Borough Council**



"The EndoTherm project certainly hasn't disappointed, installation was extremely simple, after monitoring the performance for just over 1 year the saving averaged out at 13.6% on heating consumption which also related to a significant reduction in our carbon emissions. After our pilot and CIBSE approval this has given us the confidence to recommend EndoTherm to other potential users."

**R D Bates, Director (Estates & Facilities)  
Coleg Gwent**



"I'm delighted with the results we're seeing with EndoTherm in such a short period of time.

The product has delivered greater savings than expected and combined with the ease of installation, it made the decision to purchase the product a very successful one. Thank you"

**James Page, Hotel Director  
The Wentbridge House Hotel, Restaurant & Brasserie.**



"One of the many reasons we decided to use EndoTherm was the zero retrofit costs. We simply installed EndoTherm directly into our system and the savings began to accrue. NEIU also saved 300,000lbs of CO<sub>2</sub>e. It's pretty good that you put something in, then you get results and so quickly too."

**John Murray, Chief Engineer  
Northeastern Illinois University**



"The process of installing EndoTherm went smoothly with no interruption to the normal function of our building. Our goal is to save on energy costs and reduce our carbon footprint as much as we can. Thanks again for helping us reach a 12.5% savings on our natural gas usage!"

**Jayson Troupe, Facilities Manager  
Borough of Lansdale**



"EndoTherm was installed into our Abbotsford and Chilliwack campus buildings in early 2018 showing a significant reduction in compensated natural gas consumption on site. We expect a return on investment in less than 18 months."

**Blair McFarlane, Energy Manager  
University of the Fraser Valley**



"EndoTherm has been added to heating systems in 2 of our smaller properties for approx 2 years. The gas savings realised have been of the order of 10-13.5%"

**Martin Aizlewood  
The Rotherham NHS Foundation Trust**

Please contact the team for further information, a bespoke proposal or any questions or advice on how EndoTherm can deliver energy savings in your buildings.

