

excelsior *i*

the unvented water heater

Changing the way you think about water heating...

3S Technology replenishes the internal expansion device permanently creating the World's first 'Self Sustaining System'.

- ◆ 3S technology embedded
- ◆ No replenishment of the expansion needed
- ◆ 60mm environmentally friendly foam
- ◆ 3 bar water pressure at the outlet
(subject to incoming pressure)
- ◆ Direct and indirect models 80-500 litres
- ◆ 25 years cylinder warranty

A history of invention

Fabdec has been producing stainless steel cylinders in Ellesmere since 1960.

Fabdec is proud of its heritage of invention and innovation in this field.



*Call us now for more information
on the Excelsior-i Range...*

0800 597 6411

www.fabdec.com/3S



*The World's First...
Self Sustaining System!*

*Call us now for more information
on the Excelsior-i Range featuring
the NEW 3S Technology...*

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The history of the unvented water heater - rewritten.

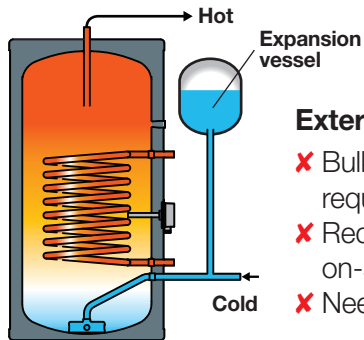


*The World's First...
Self Sustaining System!*

Exclusively from Fabdec
Patent 2015 ©

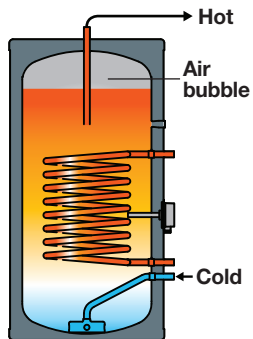


Current issues with expansion in unvented water heaters...



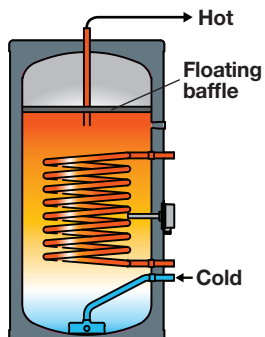
External expansion

- ✗ Bulky, has more parts, requires more space
- ✗ Requires longer on-site installation
- ✗ Needs replenishment



Internal expansion

- ✗ Integrated air bubble
- ✗ Needs frequent replenishment
- ✗ Takes only low pressure

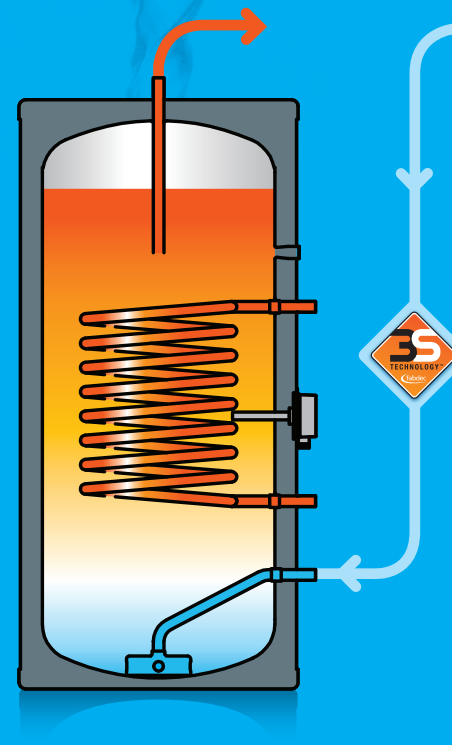


Protected Internal expansion

- ✗ Integrated air bubble
- ✗ Protected with a plastic baffle
- ✗ Could need replenishment as baffle seal is not fully 100%

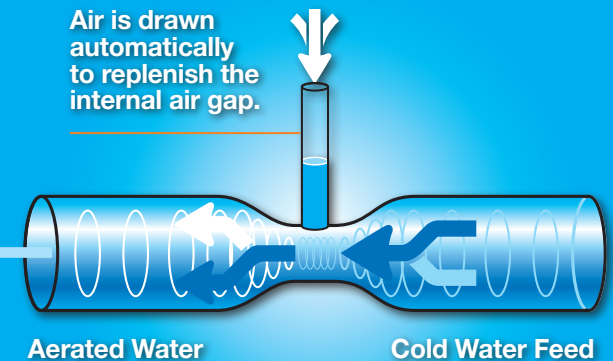


"As cold water is drawn through the body of the 3S device, air is infused into the supply which settles above the heated water, replenishing the air gap permanently."



How it works...

Water drawn from the mains flows through a patented special inlet device using fluid dynamics to create negative pressure known as the 'Venturi effect'. With precision design this configuration draws enough air to recharge the air gap as the tank is filled and requires no future maintenance - a truly Self Sustaining System.



The features

- ◆ Long life with no moving parts
- ◆ Preinstalled with no additional parts required
- ◆ No external expansion vessel, quicker installation
- ◆ 3 bar pressure at outlets (subject to incoming pressure)
- ◆ WRAS approved
- ◆ Benchmark & CE approved
- ◆ Designed & manufactured in the UK

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Self Sustaining System!*