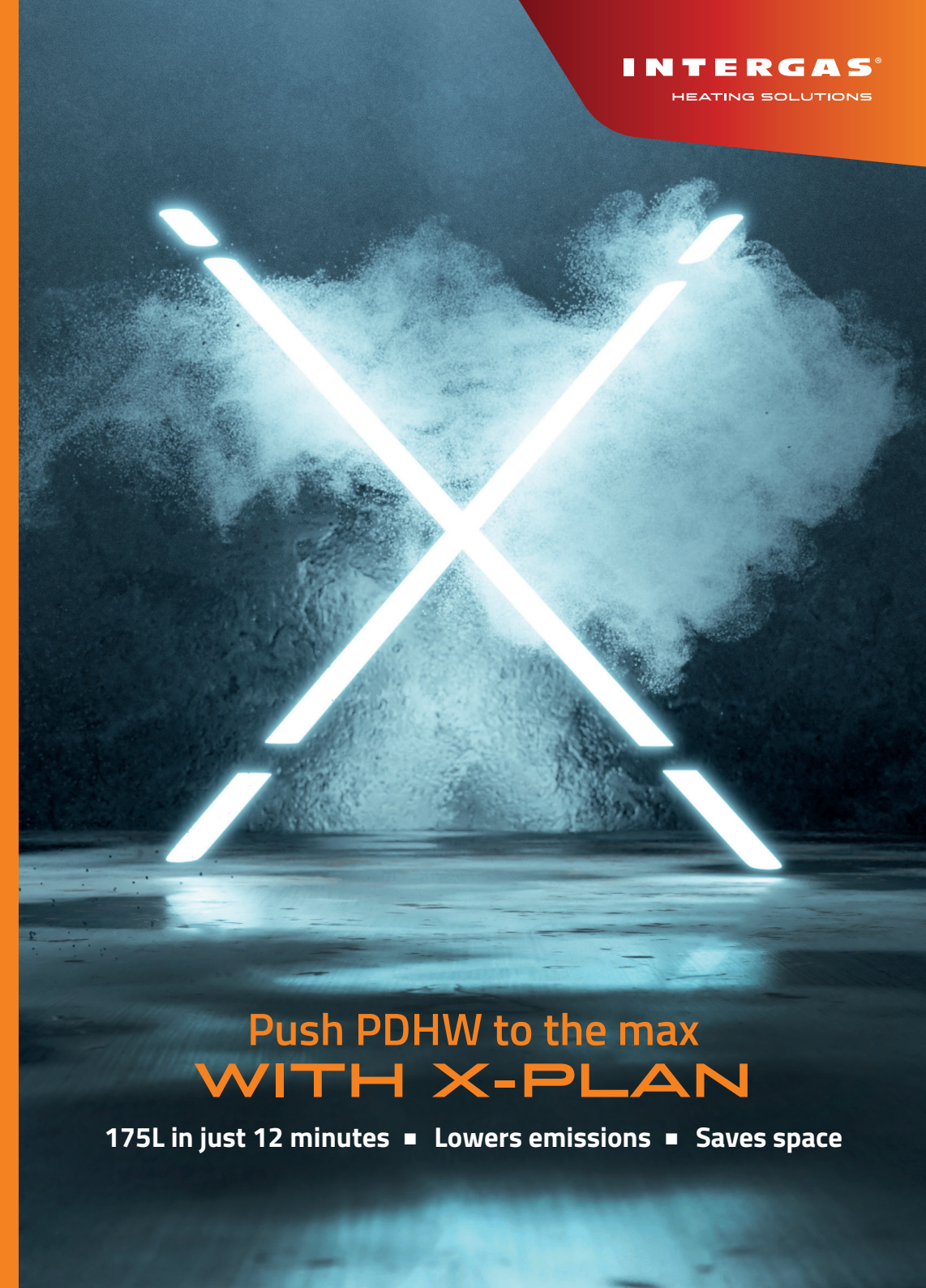
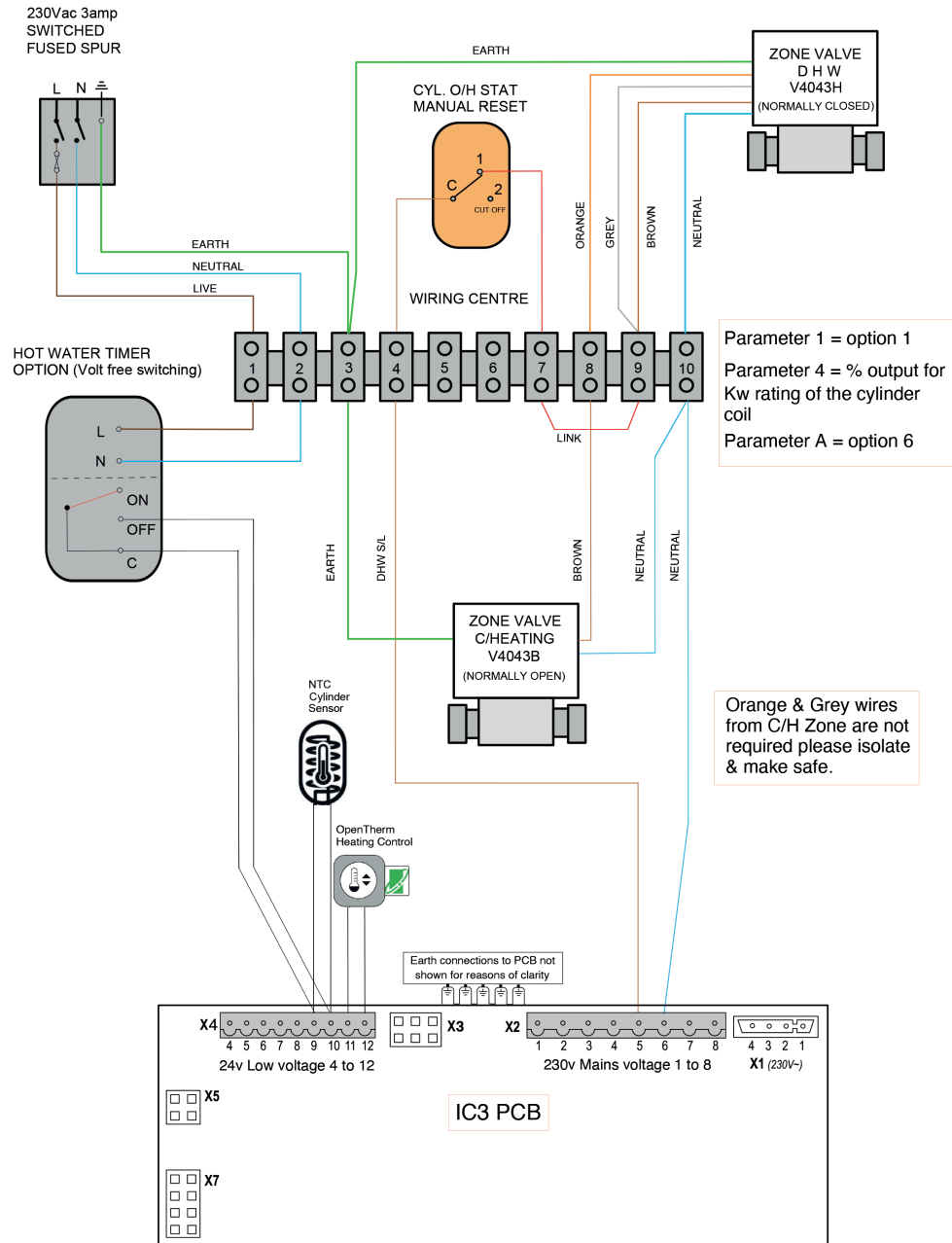


Rapid, HRE and Eco RF X-Plan wiring diagram

Unvented cylinder option

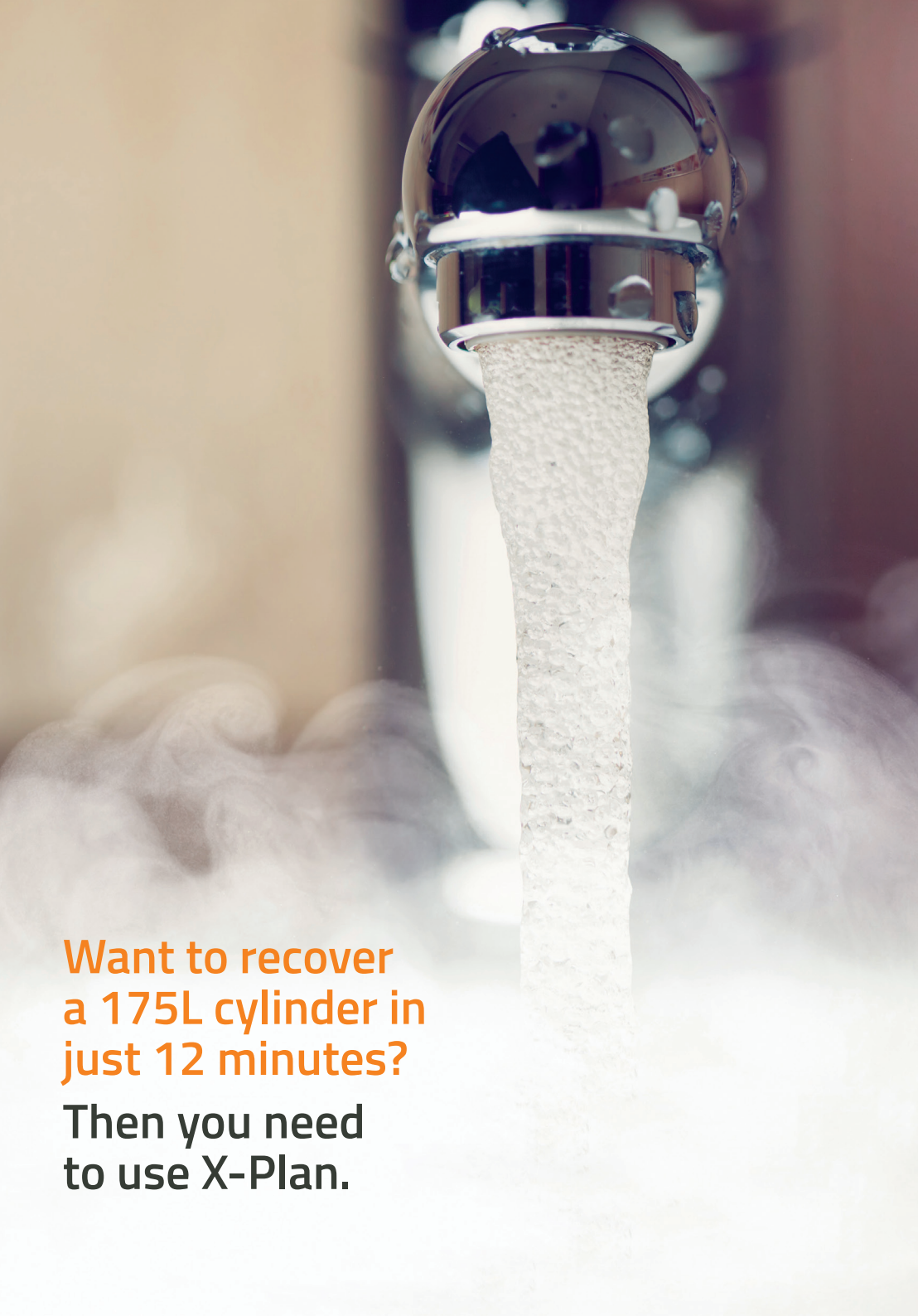


Push PDHW to the max
WITH X-PLAN

175L in just 12 minutes ■ Lowers emissions ■ Saves space

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Want to recover
a 175L cylinder in
just 12 minutes?

Then you need
to use X-Plan.

X-PLAN EXPLAINED...

So, what exactly is X-Plan?

It's a straightforward way of setting up the Intergas boiler (less wiring complexity and far greater energy efficiency compared to S- and Y-Plan) to provide two distinct flow temperatures, one for space heating, the other for water heating, without one impacting on the other. So, for example, the heating target flow temperature on the boiler can be set at 55°C to accommodate part L of the building regulations while the hot water target temperature can be set to 65°C.

During a hot water demand from the cylinder NTC sensor, for example, the boiler would ramp up to full load, as set up in the parameters to match the cylinder coil input size, and the pre-set target temperature of, say, 70°C. This heats the water in the fastest possible time; in fact, the recovery is so rapid that a 175-litre unvented cylinder with a 30kW-rated coil* can recover the cylinder (from 10°- 60°C) in around 12 minutes. With recovery that fast, you can opt for a smaller cylinder, saving space and energy.

THE BENEFITS

- Superfast hot water
- Independent hot water target flow temperature
- Independent heating target flow temperature
- Increased energy efficiency
- Lower emissions
- More space as smaller cylinder can be used

Like a combi boiler, the heating is not operational during hot water demand to help facilitate the rapid recovery of the cylinder. For maximum efficiency, the space heating should be controlled through an OpenTherm-compliant device and, when the boiler switches from water heating to space heating, no excess heat can enter the space heating and room temperatures can't overshoot. Standard TPI controls can also be used via the 230V switching facility incorporated within the PCB.

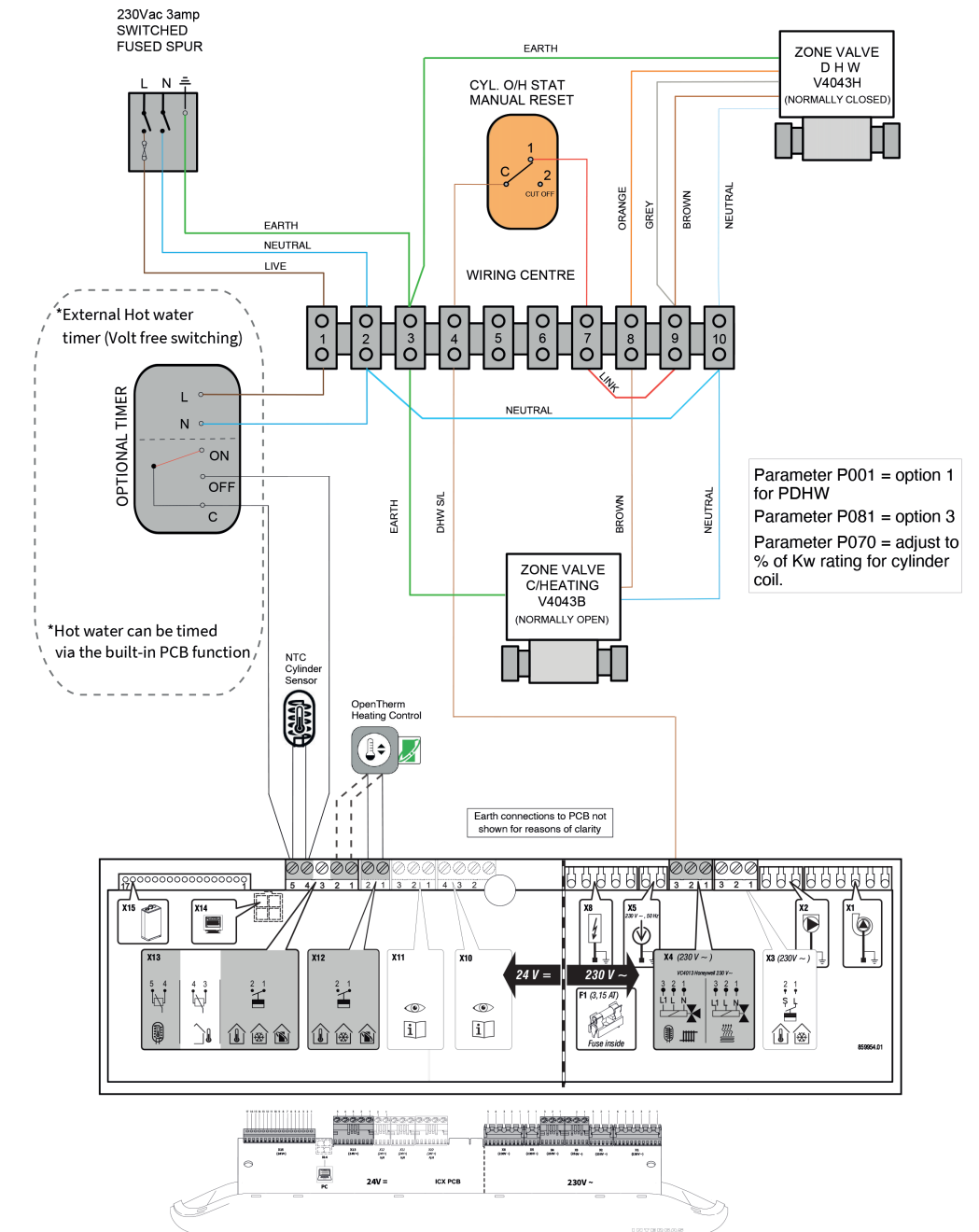
Upgrade the system

If the boiler is being replaced and the system upgraded from S- to X-Plan, then it's a very simple wiring exercise, but the heating zone must be replaced with a 22mm 'normally open' type valve.

Using X-Plan you can upgrade the Intergas Xtreme, Xclusive, Eco RF, HRE and Rapid system boilers. Included in this leaflet are the two wiring diagrams, one for the Xtreme and Xclusive and one for the Eco RF, HRE and Rapid boilers.

Xtreme and Xclusive X-Plan wiring diagram

Unvented cylinder option



*Cylinder capacity and coil input rating should be designed to suit the system and customer's requirements; the 175/30 used in the Intergas training room in Kidderminster should not be used as the normal or standard option.