

The Power of Steam: Why More Businesses Are Ditching Chemicals

6 October 2025 by Kevin

Across the UK, more organisations are moving away from traditional chemical cleaning. From hospitals and schools to hotels and leisure facilities, the shift is clear – steam is becoming the smarter, safer choice.

From Chemicals to Clean, Naturally

Steam delivers proven results. Superheated vapour penetrates deep into surfaces and floors, killing up to 99.9% of bacteria and viruses, without leaving harmful traces behind. That makes it safer for people, pets, and the planet.

Unlike traditional cleaning, steam produces no dirty water mixed with chemicals or detergents. That means no harmful residues going down drains, no chemical packaging waste, and no toxins released into the environment – just pure, clean water vapour.

Every drop of water saved from contamination makes a difference. With only around 3% of Earth's water being fresh, the global effort to treat wastewater is huge – requiring multiple stages of energy-intensive purification. By cleaning with steam, businesses reduce the amount of wastewater that needs chemical treatment, helping to protect natural waterways and conserve energy.

Cutting Costs, Not Corners

It's not just about hygiene. Steam helps businesses cut back on chemical purchases, packaging, and storage. Floors dry quickly, downtime is reduced, and machines are built to last – saving money long term.

Steam cleaning also removes the need to handle or dispose of trade effluent – wastewater that contains chemical residues from industrial or commercial cleaning. This type of discharge can harm rivers, streams, and groundwater, and it's illegal to release without proper permissions. With Duplex Steam systems, your wastewater is safe to pour away without risk to the environment or compliance concerns.

Versatile Across Industries

From busy schools and hospitals to gyms, hotels, and care homes, steam cleaning adapts to every environment. It works on carpets, hard floors, kitchens, washrooms – even specialist areas where hygiene is critical.

And because it's free from harsh chemicals, steam cleaning is ideal for sensitive settings such as healthcare, education, and animal care, where protecting people and wildlife matters just as much as achieving spotless results.

Why Duplex?

At Duplex, we've spent over 35 years helping businesses make the switch to steam. Our machines combine power with versatility, giving you chemical-free cleaning that's effective, economical, and built for real-world use.

By choosing Duplex, you're not just improving hygiene – you're helping conserve water, reduce pollution, and support a cleaner, greener planet.