



## ACTION packed

**W**essex Chemical Factors' new "Wessex Powerflush Pack" is designed to reduce the time taken to powerflush to about two hours, as with this system, the heating engineer powerflushes the system by leaving all the radiators 'on' – thereby treating the whole radiator system as a complete unit (rather than the traditional, time-consuming method of turning each radiator on and off and treating them one at a time).

It is well known that there are two major contributors to the fouling of heating systems: a) scale, which mainly forms in the heat exchanger but is rarely found in the radiators or pipes unless the circulatory water is above 72 °C. For this reason, it is not usually necessary to use an acid-based cleaner in the radiators – which the pack does not do, and, b) sludges – commonly referred to as 'magnetite' (including silt, sand, mud etc) which can be present in radiators and even in parts of pumps. All heating engineers will know that there is a link between noisy pumps and the presence of sludge, so removing the sludge tends to quieten the pumps, as well as removing cold spots in the radiator system.

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**Wessex Chemical Factors explains how its new system makes the powerflushing process more effective, cheaper, and quicker.**

force, one radiator at a time. Wessex Chemical Factors, took a different approach – that of using safe, food-grade chemicals to achieve the desired effect of loosening the offending scale and sludge.

### Get it right

By introducing the right chemicals in the right order and quantity, the offending scale and sludge is loosened and held in suspension. The products work by putting a small electrical charge on each particle so they repel each other. The polymer nature of the product also gives the particles additional buoyancy in water, so that when there is water flow they go into suspension and are easily flushed out. Once deposits of sludge, silt, sand, mud have been treated, they cannot re-form into a solid mass whilst in water. Relying on chemical reactions rather than physical force means that there are no remaining cold spots, which often occur in spite of the heating engineer's due diligence. Hence, it not only makes an otherwise mundane and time-consuming job much quicker, but also helps ensure no call-backs due to persistent cold-spots.

The pack was actually developed when an industrial heating engineer requested the company's help to eliminate the cause of a noisy heating system. Every other option on the market had failed to solve the problem. Since then the pack has been used by a large number of domestic heating engineers who are said to have found it to work quicker and more effectively than the traditional methods. One such engineer is Scott, of Cove Controls who says: "Our customers have given us feedback that this is the most cost-effective method and a much faster method of powerflushing."

The "Wessex Powerflush Pack" is only currently available from independent plumbers' merchants in southern England and is available in two pack sizes – the '4x5' which contains enough of the product to treat between 60-100 radiators, and the '4x1' which is enough to treat 20 radiators. It is compatible with any powerflushing machine currently on the market and does not require heated water to function.

### Like to know more?

■ For more information on the Wessex Powerflush Pack circle PHPI readerlink 506 [www.readerlink.co.uk](http://www.readerlink.co.uk)