

Ref: HC088

SWINDON'S NEW HOSPITAL RELIES ON HONEYWELL VALVES TO REGULATE WATER SUPPLIES

Ideal water pressure throughout the hospital

BRACKNELL, UK, 22 DECEMBER 2002 – The new Great Western Hospital in Swindon has been equipped with over 60 Honeywell pressure reducing valves to ensure water is delivered from all outlets at the ideal pressure of 2 bar. The Honeywell valves, in sizes from 0.5 to 6 inch diameter, ensure staff and patients will never suffer from a soaking due to excess pressure at taps, and provide ideal water pressure to equipment.

The Swindon and Marlborough NHS Trust relocated its main hospital services to the new £148 million Hospital in December 2002 from the Princess Margaret Hospital, also in Swindon. The new hospital was built by Carillion Building under a Private Finance Initiative (PFI) scheme and the services installation was carried out by Crown House Engineering. The Hospital Company, of which Carillion is an equity partner, owns and manages the 55,900 sq.m building, leasing it to the NHS Trust. It has 464 in-patient beds, 87 day care beds and ten operating theatres.

Adequate water supplies at a uniform pressure are crucial to the hospital's operation: for drinking, for its 1,222 washbasins and 169 sinks, to flush its 516 toilets and to supply equipment. The water system is fed at 6 bar by a booster set to ensure delivery at adequate pressure at the top of the six-floor building. But, without regulation, the pressure would be higher on each floor, from top downwards, with taps on the ground and lower ground floors delivered at the full 6 bar – much too high for washbasins, sinks, toilets, laundry and kitchen equipment.

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.Editors: Can we help you by emailing this release and accompanying photos?

2.Honeywell valves at Great Western Hospital, Swindon

Cold water supplies to the hospital's hot water system are regulated by 3 to 6 inch diameter Honeywell valves installed in the hospital plant room. Each department has its own cold water feed, so numerous small and intermediate-sized valves – from 0.5 to 2 inch diameter – are installed in the ceiling void on each floor to regulate individual supplies. The smaller valves are from Honeywell's D06F series, which features a unique mechanism that enables accurate setting without the need of a gauge; while the larger sizes are from the Honeywell's D205 pilot operated pressure regulator range.

The hospital's heating and utility services are provided by its Energy Centre, situated 250 metres from the main building on the 32 acre site. A six-inch diameter Honeywell D205 pressure regulation valve is installed on the mains water feed to the softening plant, which delivers to two 42,750 litre capacity soft water storage tanks.

The hospital was completed and handed over by Carillion on schedule and handed over to the Swindon and Marlborough NHS Trust on 5th November.

Details of Honeywell water control products are available online at www.honeywell.com/uk/homes.htm and from Honeywell Control Systems Ltd., Honeywell House, Arlington Business Park, Bracknell, Berkshire RG12 1EB. Tel: 01344 656000. Fax: 01344 656240. E-mail: uk.infocentre@honeywell.com

About Honeywell

Honeywell is a \$24 billion diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry; automotive products; power-generation systems; specialty chemicals; fibres; plastics; and electronic and advanced materials. Based in Morris Township, N.J., Honeywell employs more than 100,000 people in 95 countries. The company's shares are traded on the New York Stock Exchange under the symbol HON, as well as on the London, Chicago and Pacific Stock Exchanges. It is one of the 30 stocks that make up the Dow Jones Industrial Average and is also a component of the Standard & Poor's 500 Index. Additional information on the company is available at www.honeywell.com.

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