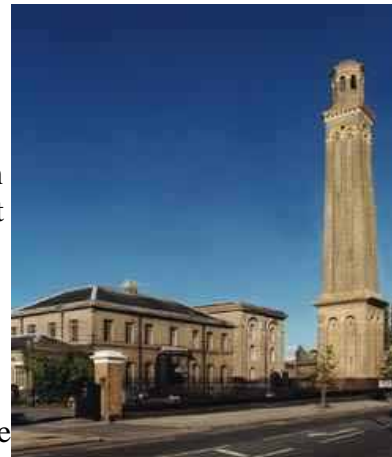


Engineering Appliances Conference at Kew Steam Museum

The Pressure is On

The pressure is on Building Services professionals to design ever more complex and energy efficient cooling and heating systems in modern buildings with restricted space and under increasingly demanding environmental legislation. Despite the technical advances that have been made all systems still use a critical component that hasn't changed since the invention of the heating system by the Romans. **Water**



Water is still used as a heat transfer medium because it is cheap, widely available and environmentally friendly. However water also has many drawbacks. When these are ignored they can have disastrous consequences such as corrosion, increased energy consumption, spiralling maintenance costs and the shortened life of an expensive asset. In short the dreaded 'Sick System Syndrome'

Yet it is possible to minimise the detrimental effects of water without using environmentally harmful chemicals by using the latest advances in pressurisation, deaeration and degassing technology.

For successful corrosion control it is vital that the system designer has a sound understanding of the principals that underlie the physical and chemical processes.

In this series of seminars we will share the knowledge that has been gained over the past 100 years by Pneumatex AG through practical experience and research at technical institutions and Universities throughout Europe.

At the end of this conference it should be apparent to everybody that correct pressure control and limiting oxygen diffusion are vital for the prevention of the 'Sick System Syndrome'

To reach this conclusion the seminar will cover a wide range of physical laws and principles such as Boyle's Law, Henry's Law, partial pressures, diffusion, neutral point and many more.

In 1846 the 90" Grand Junction Cornish beam engine pump was built to supply London with fresh water. At the time it was at the cutting edge of technology. This makes the Kew Steam Museum fitting surroundings for showing the latest developments in pressure control and degassing technology by Pneumatex.