

Watts Powerseat®

Delivering safe gas supply to healthcare

Case Study





SCOPE

Gas supply to hospital

- **WHO**
NHS
- **WHAT**
Safe delivery and monitoring of mains gas supply
- **HOW**
Powerseat®
- **WHERE**
England
- **WHEN**
September 2020

The Powerseat® Eco electro-hydraulic gas shut-off valve allows the control and safety shut-off of low-pressure combustible gases in pipes from 40mm to 250mm, whilst focusing on being energy efficient and environmentally friendly. The Powerseat® Eco shut-off valve is kept open by a hydraulic pump where hydraulic fluid is forced into a cylinder driving the valve open.



Ensuring safe supply

Powerseat® Eco works to deliver safe gas supply to a local hospital. This ensures that in the event of a fire at the hospital, the 10-inch gas main is secured and unable to become an additional risk.

Powerseat® is ideal for this environment because when an issue detected in the hospital system, such as an electrical malfunction or a drop in pressure, the power is automatically cut to the valve. Removal of power causes the relief valve to open and the safety shut off valve to snap shut, and the gas is prevented from reaching the malfunction, therefore protecting the hospital and the gas source.

James Turner, Regional Sales Manager for Watts explains: "Hospitals are complex environments that rely on the safe supply of different gases to deliver healthcare. Powerseat® works quietly in the background delivering energy efficient gas safety.

This hospital needed a new actuator for their system quickly and we were able to deliver this within 48 hours. This minimised the risk of disruption to patients and staff as well as reducing the need for their temporary solution of a member of staff manually monitoring the gas location in case of a fire."



Powerseat® Systems

Powerseat® Eco
Electro Hydraulic Gas
Safety Shut Off Valve
Aluminium Body -
Screwed Connections



Powerseat® Eco Electro
Hydraulic Gas Safety Shut
Off Valve
Cast iron Body - Flanged
Connections

Powerseat® Electro
Hydraulic Valves - Spare
Parts



Powerseat®
Replacement
Actuators

Powerseat® Benefits

The Powerseat® Eco delivers reduced electricity running costs by using just a fraction of the energy of permanently energized magnetic solenoid valves, around 6%. This means that the associated carbon emissions are around 768kg less than with a comparable magnetic solenoid valve.

Manufactured in the UK, Powerseat® comes with a three-year warranty and meets the IP54 standard.





Watts

At Watts we have one of the widest product ranges in the industry and our products improve comfort, safety and the quality of life for people around the world.

Our range encompasses several well-known brands that form a key part of our product offer. Our experienced team can supply everything you need for your project whether it's plumbing or flow control solutions, water quality and conditioning or HVAC you'll find a Watts product that meets your needs with full support available across the entire product range.

For more information about Powerseat® or any of our gas safety products, please call 01480 407074 or email us on wattsuk@wattswater.com

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