

Watts Powerseat®

Delivering safe underfloor heating in a grand retail environment

Case Study





SCOPE

Upgrade to Powerseat® Eco

- **WHO**
Large London Department Store
- **WHAT**
Gas Supply to an Underfloor Heating System
- **HOW**
Powerseat® Eco
- **WHERE**
London, UK
- **WHEN**
November 2020

In a large department store, there are many factors to ensuring staff and customer safety and safe gas supply is an important one. We were recently contacted by the in-house maintenance team of a large London department store who currently use Black Teknigas products across the majority of their estate.



Original Powerseat® Eco in situ

Installing Powerseat® Eco

The maintenance team were upgrading a Powerseat® Eco which is feeding an area of underfloor heating within the building being used to heat a key retail area of the building.

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.

Rob Hill, Regional Sales Manager for Watts explains: "Large department stores are complex environments especially when they are located within older buildings. For this important project, Powerseat® Eco is working quietly in the background delivering energy efficient gas safety and keeping the heating system running to provide a comfortable customer environment.

The maintenance team of this store are familiar with Black Teknigas and knew that upgrading the Powerseat® Eco valve would deliver everything they needed for their system. I was happy to provide them with additional support to ensure that the installation was optimised to deliver the best results for their needs."



Original Powerseat® Eco in situ



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.

Stock imagery for illustration purposes

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





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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