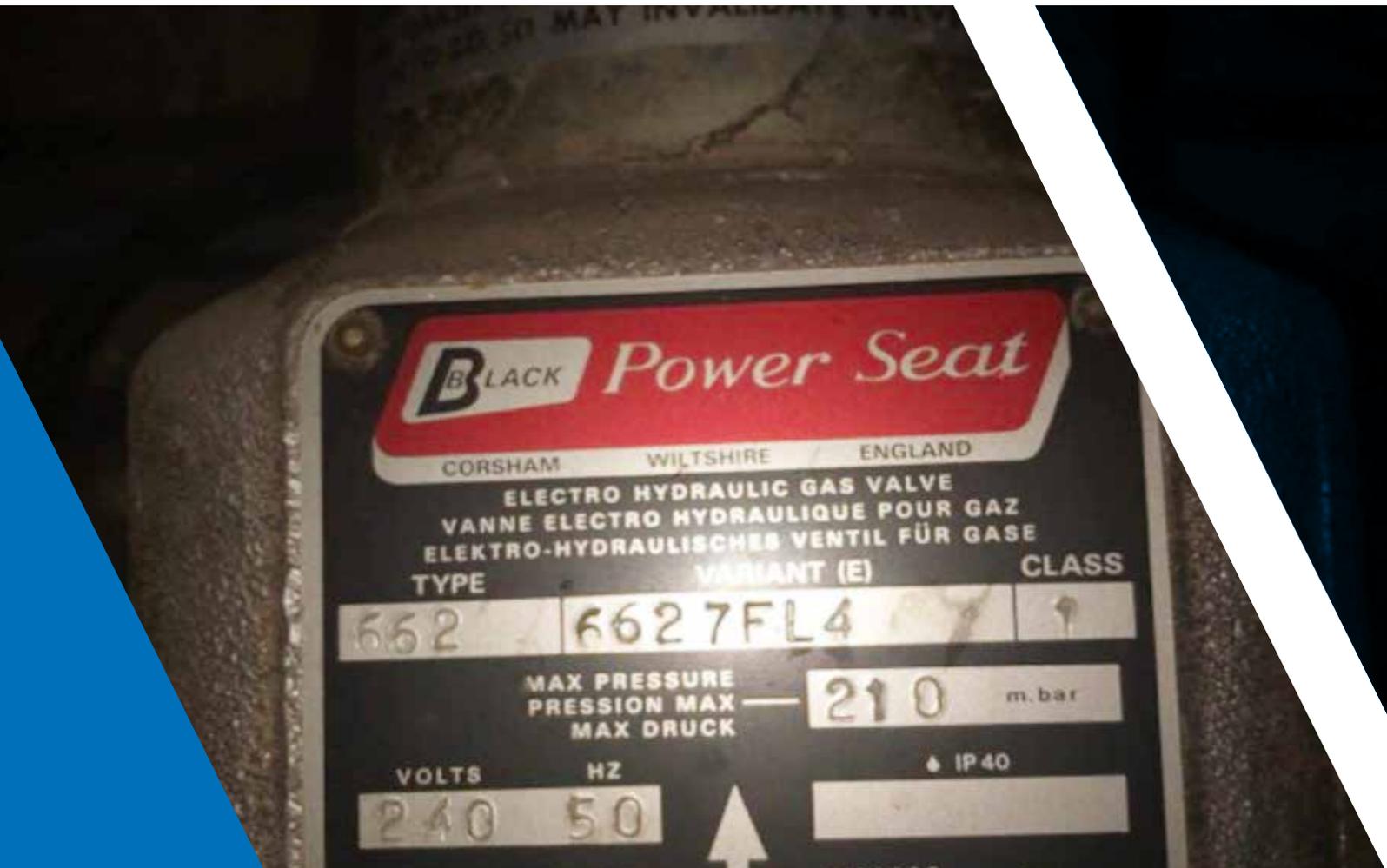


Watts Powerseat®

Delivering 35 years of safe gas delivery

Case Study





SCOPE

Gas supply to court house

- **WHO**
Court House, Wigan
- **WHAT**
Safe delivery and monitoring of mains gas supply
- **HOW**
Powerseat®
- **WHERE**
Wigan
- **WHEN**
Installed in the 1980s

The Powerseat® 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® 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 for 35 years

There are approximately 40,000 Powerseat® safety shut-off valves installed and operating throughout the UK. The first safety shut-off valve of its kind, we estimate that an average Powerseat® shut-off valve to have a lifespan of 15 years.

This year, a customer enquiry for the operational specification of the installed Powerseat® revealed that this valve has been in active service for 35 years. Our internal research established that the valve was manufactured in the UK in the mid-80s and has been in service at Court House in Wigan ever since.

Stephen Davies, Regional Sales Manager for Watts explains: "We know the importance of a safe gas supply and that Powerseat® has a long-life but we were astonished to learn that this device had been working quietly in the background delivering energy efficient gas safety for 35 years.

I was delighted to supply the customer with the information they needed to keep this Powerseat® in active service."



Powerseat® Benefits

The Powerseat® 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.

Operational Savings

Based on a 4" Powerseat® using 26 watts
 0.026 KW @ average 18.1p per KW/H = 11p per day
 £40.15 per year based on running 24 hours, 365 days a year

Equivalent 4" Electro Solenoid using 170 watts
 0.17kw @ average 18.1p per KW/H = 73p per day
 £269.45 per year based on running 24 hours, 365 days a year

Powerseat® Saving - £228.31

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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