

May 2007

WATTS LP

Newsletter of Watts Industries

Watts produces first EU-approved industrial check valve

The Watts FC Check Valve is the first backflow protection valve that meets the stringent requirements of the new European standard EN 13959 for anti-pollution check valves up to 250mm in diameter.

The new standard became European legislation last year after seven years in development and demands the most rigorous testing process for check valves to-date. The FC Check Valve is the only product on the market that complies with the regulations.

Until now, there has been no approved check valve that can be used for backflow protection on potable water systems above 50mm in diameter, leading to difficulties on larger installations where an anti-pollution valve is required. The industry has therefore been installing cast iron valves that would now be considered non-compliant and are significantly less failsafe than is necessary for anti-pollution commercial applications.

Thanks to its innovative design, the FC Check Valve will seal and hold at pressures of 500Pa (50mm column of water). This is significantly lower than has previously been possible, ensuring the utmost protection against backflow for the premises in which it is installed.



Welcome. On behalf of us all at Watts Industries UK, I would like to welcome readers to our first newsletter, which I hope will be of great interest.

As part of a global network that comprises the international Watts Water Technologies brand, Watts Industries UK has been developing innovative products and services for the comfort, safety and protection of water quality for many years and we're proud of our achievements so far.

In the last couple of years we have acquired Electro Controls, a principal provider of replacement HVAC and Building Management Systems products and services, and most recently, Black Teknigas, a leading gas control equipment manufacturer - and my stamping ground for the past 9 years.

These and several other company acquisitions means that Watts now produces more than 4,000 products that make up one of the largest and most diverse plumbing, heating and ventilation product lines anywhere in the world.

Steve Adams, Managing Director

Visit our website: www.wattsindustries.com

Watts

Watts Flowbox maximises solar energy

Homeowners across Europe are maximising the efficiency of their solar panels thanks to the Flowbox from Watts Industries which manages the input of renewable energy into a property's heating and hot water system.

The Flowbox is a ready-to-mount dedicated solar control unit that measures both the energy captured by solar panels on a roof and the temperature of the heating system and determines the most effective time to transfer energy and the correct amount required.

It works by circulating the water or heating medium collected from the solar panels to a plate heat exchanger or indirect hot water cylinder to transfer the

energy to the secondary domestic hot water or heating circuit.

Unlike other models, the compact Flowbox incorporates a number of intelligent features including integral sensors to ensure a steady temperature, a balancing valve to set the correct flow of water to optimise efficiency and isolating valves with built in gravity flow stops to prevent pipe in pipe circulation.



Call 01386 446997 for more information.

Watts

Energy efficient piping

Following its acquisition of Microflex in 2005, Watts is leading the way with its ultra energy efficient piping system.



Composed of a thermal insulation wrapped around a carrier pipe and covered by a double-skinned closed chamber jacket, Microflex ensures the safe, reliable and energy efficient distribution of water for heating, cooling and hot and cold water supply services.

Microflex can be supplied in coils of 100 metre lengths, or cut to a customer's specific requirement. Offered in a range of carrier pipe sizes from 25mm to 110mm, it is available as a single, twin or quadruple system. The flexible, low weight construction enables Microflex to be installed quickly and easily over obstacles, and its minimal bending radii caters for tight bends.

The PEX carrier pipe can be used with a wide-range of liquids and applications. Corrosion resistant and CFC free it is supplied with an oxygen diffusion barrier for low temperature heating applications, offering an environmentally friendly solution to energy conservation in a cost effective way.

Call 01386 446997 for more information.

Electro Controls

Electro Controls has relocated

Electro Controls has moved operations from Hounslow in Middlesex to St Neots in Cambridgeshire, in order to enhance the level of service offered to key customers.

As the UK's principal provider of replacement HVAC and Building Management Systems products and services, Electro Controls' move to a larger, more advanced operation facility will enable it to provide a more rapid, straightforward and cost-effective service.

The skills and knowledge of Electro Controls will compliment those of Black Teknigas, already based at the St Neots operation. This combination of expertise will enable the company to develop and enhance its vast product range and provide an even greater level of reliability and service, backed by a network that comprises the international Watts Water Technologies brand.

Call 01480 225940 for more information.



Electro Controls

Electro open for business

Electro Controls remains open for business. Call 01480 225940 now to receive the latest catalogue, or log on to the revamped website, www.electrocontrols.co.uk to find out more about the latest range of products and to download technical information.



With a number of product line extensions and new innovations, Electro Controls remains the UK's leading supplier of heating, ventilation and air conditions control solutions.

Call 01480 225940 for more information.

Black Teknigas

Safety First

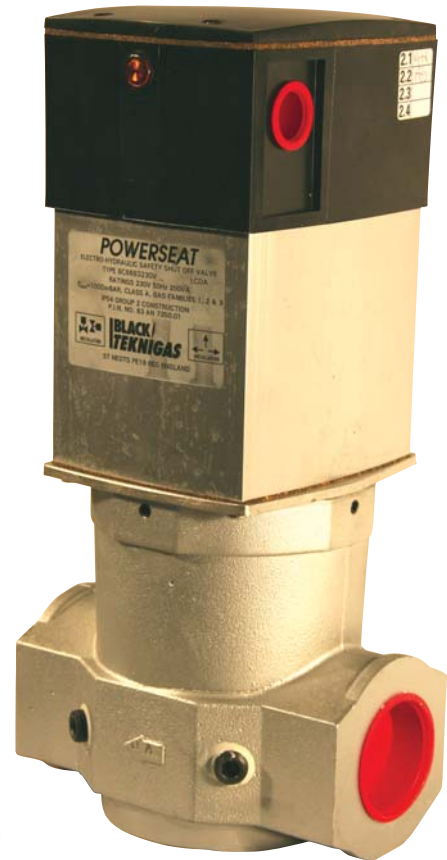
The safest and most advanced gas shut-off valve yet is now available from Black Teknigas.

The Powerseat is an electro-hydraulically operated valve which comes complete with a manual reset switch, preventing automatic valve start-up when power is restored to a building following a cut in power.

However, unlike the oft-used manual reset valves, the Powerseat cannot be tampered with to prevent closure so is fully compliant with industry standard EN 161. The Powerseat's reset switch does not affect the integral operation of the valve and cannot be manipulated so any interruption of power will always result in virtually instantaneous cut-off of gas.

The electro-hydraulic operation also means that the Powerseat has a smooth, controlled opening at a low speed that will ensure a substantially linear increase of gas when power supply to a building is turned on. The Powerseat is available in sizes 1½" – 3" BSP and flanged, 65mm – 250mm (2½ – 10").

Call 01480 407074 for more information.



Black Teknigas

Black Teknigas extends Watts' expertise in the gas control equipment market

Following the acquisition of Black Teknigas in September 2006, Watts Industries is enjoying significant export opportunities in Europe, North America and the Far East through Black's EN approved primary products and established distribution channels and OEM customer base.

Black Teknigas, located in St Neots, designs, develops and manufactures a range of gas control products and

systems for combustion, industrial, medical, laboratory and specialty gas applications. It specialises in electro-hydraulically operated emergency shut off valves and also manufactures general purpose solenoid valves and pressure switches. The company is a key supplier of high pressure manifold systems to the UK's leading gas producers.

Call 01480 407074 for more information.



Watts the question?

What are the Water Fittings Regulations requirements for backflow protection?

The Water Fittings Regulations require appropriate protection from backflow at every point of use, additional backflow protection where there is a risk of backflow between separately occupied premises, and whole site or part site protection to be installed when directed by the water supplier.

Why might zone and/or whole site protection be needed?

Zone and/or whole site protection might be required on industrial, commercial and agricultural premises for a number of reasons including:

- As an interim measure, until full compliance with the regulations for point of use backflow protection is obtained.
- Where there is compliance for point of use backflow protection, but there is a risk that future modifications to the system and/or poor management might compromise compliance.
- Where there is compliance for point of use backflow protection, but there remain concerns that the risk to public health associated with any potential backflow is significant and additional security is required.

The FC Check Valve is the first backflow protection valve that meets the new European standard for 250mm anti-pollution valves, but what would be a typical application?

Single and double check valves provide protection for Category 2 and 3 backflow risks respectively, so typical applications for the FC Check Valve would be fire sprinkler systems where there is danger of stagnant water being drawn back into the main, or for boundary protection where an area requires isolation from the mains water, like an industrial laundry or hospital.

Can the FC Check Valve be used for the application of whole site backflow protection?

Responsibility for determining the circumstances under which additional protection is needed currently rests with the water supplier, as mentioned above. However, the FC Check Valve will prove extremely significant should the IGN for boundary protection on every industrial location come into force – an issue that is currently being investigated by the Water Industry.



Watts Industries UK Ltd

Watts Industries UK Ltd, Enterprise Way, Evesham, Worcestershire, WR11 1GA, United Kingdom.
Tel +44 (0) 1386 446997, Fax +44 (0) 1386 41923, E-mail sales@wattsindustries.com, Web www.wattsindustries.com

Electro Controls Limited

Electro Controls Limited, Unit 3 Bydand Lane, Little Paxton, St Neots, Cambridgeshire, PE19 6EG, United Kingdom.

Tel +44 (0)1480 225940, Fax +44 (0)1480 225941,
E-mail post@electrocontrols.co.uk,
Web www.electrocontrols.co.uk

Black Teknigas

Black Teknigas Ltd, Unit 3 Bydand Lane, Little Paxton, St Neots, Cambridgeshire, PE19 6EG, United Kingdom.

Tel +44 (0)1480 407074, Fax +44 (0)1480 407076,
E-mail info@blackteknigas.com,
Web www.blackteknigas.com

All rights reserved by Watts Industries Europe B.V.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior written permission of the publishers.