BULLETIN
Issue 2 2002
News from Bollfilter UK

MEMBRANE PROTECTION FOR YORKSHIRE WATER

Yorkshire Water has recently invested £20 million in one of the world's largest membrane filtration plants at its Keldgate Site on Humberside.

The new water treatment plant supplies three quarters of the drinking water requirements for Hull and the surrounding areas each day (120-130,000 cubic metres).

The large computer-controlled plant, which has been designed for unmanned operation, replaces several smaller water treatment sites. In addition to the 90,000 cubic metres sourced at Keldgate, an additional 30-40,000 cubic metres is pumped from other bore-holes in the area.

ABOVE.
The new plant, which features four banks of primary membranes.

Four banks of primary membranes provide final filtration with a pore size of 150,000 Daltons (0.05 microns), which can remove even the cryptosporidium oochist (egg stage), which normal chlorite treatments cannot remove.

In order to protect the new plant, Boll 6.19 Automatic Filters have been fitted prior to each membrane intake. Eleven Boll units provide a filtration level of 100 microns, prevent ing the sensitive membrane from risk of blockage and damage.

Each Boll filter has been supplied with DWI-approved linings and stainless steel filter elements, with an external water supply employed to assist back-flushing at low operating pressures.

ABOVE.
The Bollfilter installation comprises eleven 6.19 automatic filters.

Brian Waites, Yorkshire Water Plant Engineer for the Keldgate Site, is pleased with the Boll installation.

"We have had no problems at all with them" he said. Adding, "After commissioning, when the site becomes unmanned, their reliable, low maintenance performance will be even more important.'

LEFT.
Yorkshire Water's Keldgate site is built in the style of a farm to blend with the landscape.

INVESTMENT IN QUALITY & PRODUCT DEVELOPMENT

LEFT. New purpose-built filter element facility.

BELOW. Manufacture of filter elements for the Bollfilter range of Simplex and Duplex manual filters.

BOTTOM LEFT. Bubblepoint system for testing element filtration grade.

BOTTOM RIGHT. New test bed in extended R & D facility.

With over 50 years design and manufacturing experience, Boll & Kirch is one of Europe's leading producers of filtration systems for the process, water and marine industries.

The Company is committed to continual improvement in development and manufacturing technology and has recently upgraded its facilities as part of a major investment programme.

A new purpose-built building houses manufacture of the huge range of elements for Bollfilter Simplex and Duplex manual filters, designed to accommodate all types of fluids and filtration levels.

The R & D facility has also been upgraded with the introduction of a new test bed and installation of multipoint and bubblepoint testing systems.

Cert. 31,724
Authorised for manufacture of miniature pressure vessels.
Kerpen-Sindorf

Cert. 31,723
Authorised for manufacture of pressure vessels.
Kerpen-Sindorf

MEET THE TEAM

Janine Harris Spare Parts Manager

With the company for over nine years, Janine Harris works closely with the service department to provide sales and spares support.

Originally employed in general adminstration, over Janine has received extensive training on the design and use of Bollfilter systems, including field engineering experience on major site installations. She is responsible for co-ordinating purchasing and sales of all spares, as well as sales of complete filters.

Janine is a keen horsewoman and sports enthusiast. She has her own horse and competes most weekends. She also enjoys Kickboxing and recently competed in the National Championships.

ON SHOW AT IWEX

BOLLFILTER DISPLAYS FILTRATION SOLUTIONS FOR POTABLE & WASTE WATER

The Bollfilter UK Exhibition Stand at IWEX 2001.

Bollfilter systems are widely used in the water industry so the IWEX Show was an important showcase of the latest products, and an opportunity to meet purchasers from the water industry.

The Bollfilter Stand featured the complete product range for potable and waste water applications, including manual filters/strainers and automatic self-cleaning filters. Designed for minimal maintenance, the 6.18 automatic system is ideal for unmanned water sites, where it provides continual reliable filtration without the need for regular cleaning or maintenance. It has proved popular amongst water companies and is installed at several water treatment sites throughout the UK.

LEFT. Boll Duplex Manual Filter.

RIGHT. 6.18 Self Cleaning Filter, part of the Automatic Self-Cleaning Range demonstrated at the Show.

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WORD SEARCH

ENTER PRIZE DRAW AND YOU COULD WIN A DVD PLAYER

This Word Search includes words relating to filtration. To enter the Draw, circle the complete words and fax back this page. The prize winner will be drawn from all correct entries received before the end of July 2002.

P	R	O	T	E	C	T	I	O	N	F
G	B	R	E	L	I	A	B	L	E	A
P	F	B	H	E	Y	J	E	L	S	W
A	U	T	O	M	A	T	I	C	S	K
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filtration

element

automatic

protection

process

boll

reliable

service

strainers

kirch

WE'VE GOT THE POWER!

Boll Filters Specified for Hydro Power Plant

Bollfilter filters have been installed at the Karun 3 Dam and Hydro Power Plant in Iran.

Sited on the Karu River in Khurestan Province, the Karun Dam is 191 metres high, creating a reservoir of 46 square kilometers.

The Bollfilter high pressure filters have been installed to filter river water for cooling the turbines.

ABOVE.
Bollfilter high pressure filters produced for the Karun project in Iran.

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