DANFOSS LIMITED IN THE NEWS

Release : Flogas School Project
Publication : Plumbing, Heating, and Air Movement News
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A Hero in district heating scheme

Hero, the flushing bypass manifold solution developed by Danfoss, has saved significant man hours on site during the installation of a new biomass district heating system at an independent co-educational school in Dorset by energy experts, Flogas Britain.

In a bid to lower heating costs and improve security of supply, the school has replaced its old oil and LPG heating system on a number of circuits with a new centralised energy centre

with two biomass boilers and multiple oil boilers as back-up, with a district heating system serving the main school campus. A total of 37 Danfoss Hero units are installed in satellite plant rooms across the campus, connecting the district heating system to meet end user demand and provide optimal balance and control in the heat network.

As well as ensuring balance in all load conditions for increased user comfort and energy efficiency, Hero simplifies system flushing to the required BSRIA BG29/2012 standards and also allows measurement of water flow to detect problems such as blockages in the system.

PHAM NEWS ENQUIRY No. www.heating.danfoss.co.uk

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Danfoss valves assemblies bring benefits to biomass district heating

The Hero flushing bypass manifold solution developed by Danfoss has save significant man hours during the installation of a biomass district-heating scheme by Flogas Britain at an independent co-educational school in Dorset. Two biomass boilers and multiple oil-fired boilers as backup have replaced the old fuel-oil and LPG heating system on a number of circuits to serve the main campus and reduce heating costs and improve security of supply.

A total of 37 Hero units are installed in satellite plant rooms across the campus to provide optimal balance and control in the heat network. As well as ensuring balance in all load conditions, Hero simplifies system flushing to the BSRIA BG29/2012 guidance and allows water flow to be measured so as to detect problems such as blockages in the system.

Supplied pre-assembled and fully pressure tested, Hero units consist of a bypass H piece, pressure-independent control valve (PICV), shut-off valves, strainer with integrated drain and a measuring station.

Units for this project are configured with Danfoss ECL 110 electronic controllers set up to monitor temperatures on the demand side and change flow rates on the supply side to suit.

The project qualifies for the Renewable Heat Incentive.

Enquiry Number 130 on the card or at www.modbs.co.uk/enquiries