

MCBERNS

INNOVATIVE SOLUTIONS

DATA ANALYTICS



McBerns Data Analytics

- Data Analytics (Monitoring Pressure Differential across the Filter and H₂S levels on the Output of the Filter) for our Active and Passive Filters
- Monitoring/Control of the Fan, H₂S levels and Differential Pressure across the media in our Active Filters.
- Monitoring of the H₂S levels and Differential Pressure across the media in our Passive Filters.
- Monitoring H₂S ppm levels and Pressure Differential across the filter media on site via the Web to establish our Filter and Media Design requirements
- Monitoring H₂S ppm levels and Pressure Differential across the filter media on site via the Web to establish when the filter media has reach end of life
- Capability to integrate the Control & Monitoring into a local PLC or RTU onsite.



Filter Fan Electrical Control Panel

Part Number:	FANCNT
Description:	Filter Fan Electrical Control Panel
Application:	Cabinet to house the Control Gear for the extraction fan on our McBerns filters. Panel has marshalling terminals to interface the Control Status from the fan to a local PLC/RTU.
Material / Finish:	3mm Marine Grade Aluminium Finish, Powdercoated Mist Green
Dimensions:	600mm H X 500mm W X 300mm D
Weight:	<25 kg
Options:	Extended battery time
General Specifications:	3.0 mm Marine Grade Aluminium With Air Cooling Skins (Indoor/Outdoor) Internal Fan for Cooling Antigraffiti Paint (optional) Ingress Protection (IP56D) Wall Mount, Stanchion, Free Standing Cabinet

McBerns H₂S Monitoring



Part Number:	H ² SDIFFP
Description:	H ₂ S, Differential Pressure
Application:	Used for monitoring H ₂ S and differential pressure in our ZC series of filters
Material / Finish:	Stainless Steel, Mist Green
Dimensions:	350 W X 200 D X 500 H
Weight:	Variable
General Specifications:	Differential Pressure TX and H ₂ S Monitoring, Designed for harsh environments, Wireless download of data technology, Customized case with easy access, Easy data acquisition for connection to local RTU and/or PLC
Options:	Stainless, Polycarbonate Finishes

McBerns H₂S & Filter Fan Control



Part Number:	FANCNTH ² SDIFFP
Description:	2 X Filter Fan Control and H ₂ S / Differential Pressure Monitoring including interface to resident or 3rd party RTU
Application:	Control of 2 X McBerns Filter Fans and where there is a need for monitoring the H ₂ S Levels on the output of the filters and the Pressure gradient (in Pascals) across the filter media.
Material / Finish:	Stainless Steel 2B Finish, Mist Green
Dimensions:	1250 H X 800 W X 350 D
Weight:	Variable
General Specifications:	Cubicle 316 P/C Stainless Steel, Gear Panels (Gloss White), Static ventilation, Degree of protection IP56, Service conditions - Outdoors, 1x Phase failure relay, 2 X fan control 415VAC 3 phase each motor, Options - Filter Drain on TOD timer, Analogue/digital from Monitoring Instrumentation and Control panel to onboard RTU and/or resident RTU/PLC
Options:	Wall Mount, Stanchion, Free Standing Cabinet



Odour Logger Hire & Reporting

Specialising in the water industry, McBerns offers a host of asset management services, specialising in odour monitoring and maintenance as well as inspection, reporting and repair services to support this sector of industry.

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ODOUR MANAGEMENT
SAFETY ACCESS COVERS
DESIGN & FABRICATION
DATA ANALYTICS

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