

BOISWOOD

GAS AND LIQUID CONTROL TECHNOLOGIES

Pressure & Vacuum

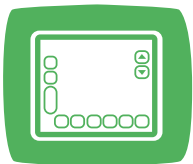
Flow

Level & Temperature

Tube & Fittings

HVAC

Custom Services



HVACR Products Catalogue

At Boiswood we are trusted suppliers of products from world-leading manufacturers, always striving to deliver excellence across everything we do to ensure you look no further for your immediate and future requirements.

Whatever market you're in, we have unbeatable experience across a wide range of industries, backed by a team of professionals who are technically trained to offer you the best solutions for your specific applications.

Boiswood products are used by many of the UK's leading companies, across a range of applications and industries which include:

- **Clean Rooms**
- **Research Laboratories**
- **Building Management Systems**

Our products are also supported by a wide range of custom services which include product installation and selection training, component sub-assembly and fabrication, site leakage surveys and anthropology days – all designed to help you to reduce your overall costs.

Whatever your needs, contact us for a quote today.



In this section you will find details on the following products:

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Air Sensors



Connections	Operating Pressures	Flow Range	Accessories	Max Working Temperature
ISA2 AIR CATCH SENSOR				
1/8" BSPT	0.05 to 0.2 MPa	16 L/min or less 21 l/min or less 25 l/min or less	NPN or PNP	0 to 60°C

Current Transformers



Aperture Size	Current Range	Output	Frequency Range	Max Working Temperature
SPLIT CORE PERFORMANCE CURRENT TRANSFORMER				
0.4" (10mm) 1.0" (25mm)	0.25 - 40A AC 0.25 - 80A AC 1 - 200A AC 1 - 300A AC	333 mV	50 to 400 Hz	-15 to +60°C



Aperture Size	Current Range	Output	Frequency Range	Max Working Temperature
SPLIT CORE STANDARD CURRENT TRANSFORMER				
1.25" (3.2cm)	5 - 130A AC 4 - 260A AC 8 - 520A AC 12 - 780A AC	333 mV	50 to 400 Hz	Up to +105°C

Data Loggers



Input	Outputs	Communications
KBL ELECTRONIC MULTI-CHANNEL DATALOGGER		
Universal Voltage Current Thermocouple RTD NTC Digital Counting Flow Measurement Rate Measurement	Relay SSR Current	Ethernet RS-485 RS-232 USB



Input	Outputs	Accessories	Other Features	Installation
ZED METERING, MONITORING AND DOSAGE ELECTRONICS				
2 x 8-digit LCD Backlit Displays	2 x Relay Outputs Analogue Output	Sensor Supply	Free Scaling	Switchboard installation or field casing



Differential Pressure Transducers

HVAC-R

Pressure Type	Pressure Ranges	Pressure Fittings	Output	Accuracy
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201 VERY LOW DIFFERENTIAL GAUGE PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 2 psi 0 to 5" W.C. 0 to 5 kPa (Min - Max)	NPT, SAE or Tube Stub	4 - 20 mA	0.5% 0.25%
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230 TRUE WET TO WET DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 100 PSID ± 50 PSID (Min - Max)	NPT or Manifold Block	4 - 20 mA 0.05 - 5.05 VDC 0.05 - 10.05 VDC	0.25%
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231 MULTI SENSE PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	5, 10, 25, 50 PSID 10, 20, 50, 100 PSID 25, 50, 125, 250 PSID (Multi Range)	NPT or Manifold Block	4 - 20 mA	1.0% 2.0%
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231RS MULTI SENSE PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	5, 10, 25, 50 PSID 10, 20, 50, 100 PSID 25, 50, 125, 250 PSID (Multi Range)	1/4" NPT Remote Sensors	4 - 20 mA LCD Display	1.0% 2.0%
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239 HIGH ACCURACY LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 30" W.C. 0 to 5000 Pa 0 to 10 PSID (Min - Max)	1/8" NPT	4 - 20 mA 0 - 5 VDC 0 - 10 VDC (Others on request)	0.14% 0.073%
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264 VERY LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 100" W.C. ± 50 " W.C. (Min - Max)	3/16" Barbed Brass	4 - 20 mA 0 - 5 VDC	1.0% 0.4% 0.25%
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265 VERY LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 100" W.C. ± 50 " W.C. (Min - Max)	1/4" Push	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	1.0% 0.4% 0.25%
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267 VERY LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 100" W.C. 0 to 7000 Pa (Min - Max)	3/16" Barbed Brass 1/4" FNPT Brass Static Duct Probe	4 - 20 mA 0 - 5 VDC 0 - 10 VDC LCD Display	1.0% 0.5% 0.4% 0.25%
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267MR MULTI RANGE LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 30" W.C. 0 to 7000 Pa (Multi Range Min - Max)	3/16" Barbed Brass 1/4" FNPT Brass Static Duct Probe	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	1.0%
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269 LOW DIFFERENTIAL PRESSURE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 10" W.C. 0 to 2.5 kPa (Min - Max)	3/16" Barbed Brass	4 - 20 mA	1.0% 0.5% 0.25%
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Differential Pressure Transducers

Pressure Type	Pressure Ranges	Pressure Fittings	Output	Accuracy
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ASL ACCUSENSE TRANSDUCER

Unidirectional and Bidirectional (\pm)	0 to 40" W.C. 0 to 100 mBAR (Min - Max)	1/8" NPT 7/16-20 SAE	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	0.07%
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Electrostatic Monitors



FMX002 ELECTROSTATIC FIELDMETER

MX-002 Electrostatic Fieldmeter is a compact, portable instrument for measuring electrostatic charge. The FMX-002 measures positive and negative polarity electrostatic charges to 20kV (20,000V) at a distance of one inch (25mm). Two LED guide ring lights on the measuring side of the unit converge at the proper distance from a test object. The conductive case and ground lead facilitate reference grounding for accurate measurement.



IZD10 ELECTROSTATIC SENSOR

10 to 75mm Detection Distance	24 VDC Supply	1 to 5 VDC Output	0 to 50°C	\pm 20 kV
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Humidity Sensors

Temperature Outputs	Output	Performance	Configuration
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SRH DUCT MOUNT RELATIVE HUMIDITY SENSOR

None 10K ohm 1000 ohm RTD	-50 to +60°C -10 to +60°C	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	2% 3% 5%	Duct Mount
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SRH OUTDOOR AIR RELATIVE HUMIDITY SENSOR

None 10K ohm 1000 ohm RTD	-50 to +60°C -10 to +60°C	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	2% 3% 5%	Outside Air Mount
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SRH WALL MOUNT RELATIVE HUMIDITY SENSOR

None 10K ohm 1000 ohm RTD	-50 to +60°C -10 to +60°C	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	2% 3% 5%	Wall Mount
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Industrial Pressure Transducers

Pressure Type	Pressure Ranges	Pressure Fittings	Output	Accuracy
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206 INDUSTRIAL PRESSURE TRANSDUCER

Gauge Compound	0 - 10,000 psi 0 - 700 bar (Min - Max)	1/4" NPT 1/8" NPT 7/16" SAE	4 - 20 mA 1 to 5 VDC 0.1 - 10.1 VDC (Others on request)	0.13%
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280 GAUGE, COMPOUND & ABSOLUTE PRESSURE TRANSDUCER

Gauge Compound Absolute	0 - 10,000 PSI 0 - 400 BAR (Min - Max)	1/4" NPT	4 - 20 mA 0.03 - 5.03 VDC	0.11% 0.073%
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Industrial Pressure Transducers

Pressure Type	Pressure Ranges	Pressure Fittings	Output	Accuracy
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MRC MULTI RANGE CRITICAL PRESSURE TRANSDUCER



N/A	±0.1 to ±0.25" W.C. ±25 to ±50 Pa (Field Selectable)	Base Mount DIN Rail Duct Probe	Conduit PG9	0.5%
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MRG MULTI RANGE GENERAL PRESSURE TRANSDUCER

N/A	±0.5 to ±5" W.C. ±100 to ±1,000 Pa (Field Selectable)	Base Mount DIN Rail Duct Probe	Conduit PG9	1.0%
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Ionising Products



AEROSTAT GUARDIAN OVERHEAD IONISING BLOWER

Aerostat Guardian Overhead Ionising Blower provides superior static charge decay over an entire work surface area. Equipped with task lighting and an integrated heater, the Guardian offers userfriendly operation while effectively protecting sensitive components from ESD damage.



AEROSTAT PC IONISING AIR BLOWER

Aerostat PC Ionising Air Blower provides localised coverage with superior charge decay efficiency. The Aerostat PC operates on AC technology and is designed to provide ionisation to a targeted work surface. Distinguished by its variable fan speed control, heater element, and emitter point cleaner, the Aerostat PC is an excellent choice for eliminating static in production processes.



CENTURION DC OVERHEAD IONISER

The centurion offers superior balance performance with its novel emitter array design (US patent #6717792) and high-gain dual feedback circuitry. Using corona DC ion technology, the centurion eliminates charges cleanly, quickly and reliably in cleanroom workstation applications where electrostatic discharge (ESD) is a concern.



CLEANTRAC ULTRA-CLEAN IONISATION BAR

The CleanTrac Ultra-Clean Ionisation bar incorporates a patented gas flow technology which utilises Clean Dry Air (CDA) or Dry Nitrogen to minimise buildup of contaminants on the emitters. It is specifically designed for use in Class 1 areas such as mini-environments and laminar flow benches where particle contamination and control of electrostatic charges are critical concerns.



GEMINI LV ROOM IONISATION SYSTEM

The Gemini Systems flexibility allows easy positioning of emitter modules in the ceiling or where they are most needed in the cleanroom. The System is designed to minimise unidirectional airflow turbulence. It is available with SiC emitters, the new standard for ultra-clean ionisation. Each emitter module contains emitter points, switching power supplies, and Microcontroller Intelligence, designed to maintain critical ion output and balance.



GUARDIAN CR2000 OVERHEAD IONISING BLOWER

Guardian CR2000 Cleanroom-rated Overhead Ionising Blower is designed specifically for use in cleanroom applications. The Guardian CR2000 features a patented circuit that results in balanced delivery of positive and negative ions, which ensures that the unit will maintain an ion balance of 0 ±5V. Balance stability is further enhanced by use of unique "ion shields" at the fan outputs to reduce parasitic ion loss.



TOP GUN IONISING AIR GUN

Top Gun Ionising Air Gun is a high-performance ionising air gun designed for a wide variety of electronic manufacturing, medical and assembly applications. Balanced to 0 to 15V, the Top Gun features high blow-off force and low air consumption providing high efficiency cleaning and maximum static charge decay. A filter at the exit of the gun ensures that the air is clean.



Power Meters



PATROL FLEX ROGOWSKI COIL

12" Probe 24" Probe 36" Probe	108 mV Voltage Output	±0.5% Accuracy
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POWER PATROL POWER METER

Ethernet & Serial Communication Ports	Modbus or BACnet	With or Without Display
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POWER SQUAD MULTI CIRCUIT POWER METER

Ethernet & Serial Communication Ports	Modbus or BACnet	With or Without Enclosure
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POWER BATTALION 48 NETWORKED POWER METER

Ethernet, Serial and USB	Modbus or BACnet	With or Without Enclosure With or Without Display
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Pulse Products



PULSE BAR STATIC NEUTRALISATION BAR

PulseBar eliminates troublesome static charges that can cause dust and other contaminants to accumulate on surfaces and finished products. With its slimline design and powered by the PulseFlow controller, the PulseBar can be installed on any type of equipment.



PULSE FLOW CONTROLLER

The PFC may be switched between pulse (1.0 Hz, 1.3 Hz, 2.2 Hz or 10 Hz) and steady state operating modes and provides independent control of positive and negative polarity. The controllers design is user adjustable to both Pulse and Steady State DC operating modes.



PULSE GUN

The PG-8 ionising blow-off gun rapidly neutralizes static charges in seconds and keeps particles from contaminating product surfaces. This cleanroom ionising gun with replaceable Class 1 electrodes is specifically designed for ultra-clean environments.

Room Condition Monitors

Pressure Ranges	Input	Output	Accuracy	Max Working Temperature
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MRMS MULTI ROOM MONITORING STATION

Connects to other Setra BACnet products	Up to 8 rooms	Visual Readout	N/A	0 to +50°C
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SETRA FLEX ENVIRONMENTAL MONITOR

±250 Pa ±1" W.C. (Min - Max)	Universal Analogue	4 - 20 mA 0 - 5 VDC 0 - 10 VDC BACnet	0.25%	-40 to +85°C
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Room Condition Monitors



Pressure Ranges	Input	Output	Accuracy	Max Working Temperature
SRM ROOM CONDITION MONITOR				
±5" W.C. ±1000 Pa (Min - Max)	24 VAC	4 - 20 mA 0 - 5 VDC 0 - 10 VDC BACnet	0.25% 0.5%	0 to +50°C



SRIM1 ROOM ISOLATION MONITOR				
0 to 5" W.C. ±2500 Pa (Min - Max)	18 - 32 VDC	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	1.0% 0.25% 0.05%	-6 to +60°C



SRIM2 ROOM ISOLATION MONITOR				
0 to 5" W.C. ±2500 Pa (Min - Max)	18 - 30 VDC 24 VAC	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	1.0% 0.25% 0.05%	-6 to +60°C



SRIMV VELOCITY MONITOR				
8000 ft/min 0 - 40 m/s (Min - Max)	18 - 30 VDC 24 VAC	4 - 20 mA 0 - 5 VDC 0 - 10 VDC	2.5%	-6 to +60°C



SRPM ROOM PRESSURE MONITOR				
±0.1" W.C. ±5" W.C. (Min - Max)	24 VAC 120 VAC 240 VAC	4 - 20 mA 0 - 5 VDC 0 - 10 VDC BACnet	0.5% 0.25%	0 to +50°C

Thermo Chillers



Cooling Capacity	Cooling Methods	Power Supply
HRS012 THERMO CHILLER		
1100/1300 W (50/60Hz)	Air Cooled Water Cooled	Single Phase 100 VAC (50/60Hz) 115 VAC (60Hz) Single Phase 200-230 VAC (50/60Hz)

HRS018 THERMO CHILLER		
1700/1900 W (50/60Hz)	Air Cooled Water Cooled	Single Phase 100 VAC (50/60Hz) 115 VAC (60Hz) Single Phase 200-230 VAC (50/60Hz)

HRS024 THERMO CHILLER		
2100/2400 W (50/60Hz)	Air Cooled Water Cooled	Single Phase 200-230 VAC (50/60Hz)

HRS050 THERMO CHILLER		
4700/5100 W (50/60Hz)	Air Cooled Water Cooled	Single Phase 200-230 VAC (50/60Hz)