

BOISWOOD

GAS AND LIQUID CONTROL TECHNOLOGIES

Pressure & Vacuum

Flow

Level & Temperature

Tube & Fittings

HVAC

Custom Services



Flow 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.

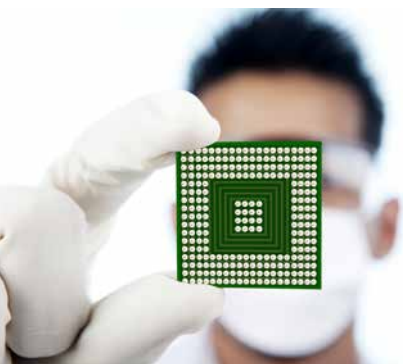
Whatever market you're in, we have unbeatable experience across a wide range of industries, backed by a team of professionals who are technically trained to offer you the best solutions for your specific applications.

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

- **Chemical & Semiconductor Production**
- **Research & Development**
- **Process Control**

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.



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Ball Valves



STANDARD INSTRUMENTATION 3 PIECE BALL VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.



STANDARD INSTRUMENTATION BALL VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.



STANDARD INSTRUMENTATION TRUNNION BALL VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.



STANDARD INSTRUMENTATION TOGGLE VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.

Block, Bleed, Vent and Gauge Valves

Working Pressures	Body Materials	End Connections	Packing Material Options
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EB51 BLOCK, BLEED & VENT VALVE

Up to 6000 Psig	316SS-NACE Hastelloy C Monel	NPT	TFE Graphite
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EG35 GAUGE VALVE

Up to 6000 Psig	316-NACE Hastelloy C Monel	NPT	TFE Graphite
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EG48 GAUGE, BLOCK & VENT VALVE

Up to 6000 Psig	316-NACE Hastelloy C Monel	NPT	TFE Graphite
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Check and Non Return Valves

Nominal Diameters	Nominal Pressures	Pressure Ranges	Operating Temperatures	Materials
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MAGROS CHECK VALVE

DN 6 - 100	PN40	< 0.1 bar	-40 to +50°C	Stainless Steel
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SR WAFER LIFT CHECK VALVE

DN 15 - 200	PN6 - 40	On Request	Dependant on Sealing Material	Stainless Steel Bronze (Others on Request)
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Check and Non Return Valves



Nominal Diameters	Nominal Pressures	Pressure Ranges	Max Working Temperature	Materials
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THERMOMAT FLASHBACK ARRESTOR

G 1/4" G 3/8" G 5/8"	Dependant on Media		Ambient	Brass
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STANDARD INSTRUMENTATION CHECK VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.



ZRD WAFER LIFT CHECK VALVE

DN 50 - 1400	PN6 - 160	On Request	Dependant on Sealing Material	Carbon Steel Stainless Steel Bronze Cast Iron Titanium (Others on Request)
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ZRK WAFER LIFT CHECK VALVE

DN 50 - 1200	PN6 - 40	On Request	Dependant on Sealing Material	Stainless Steel Bronze (Others on Request)
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Disc Traps



End Connections	Nominal Pressures	Pressure Ranges	Max Working Temperature	Materials
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BV66 THERMODYNAMIC DISC TRAP

G 1/2" G 3/4" G 1"	PN63	42 barg	400°C	Stainless Steel
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Excess Flow Valves



Sizes	Materials	Options
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EFV ADJUSTABLE EXCESS FLOW VALVE

Models 125, 250, 375, 500, 750	316 Stainless Steel Brass (Specials on Request)	O2 Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements).
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EFV MANUAL RESET ADJUSTABLE EXCESS FLOW VALVE

Models 125, 250, 375, 500, 750	316 Stainless Steel Brass (Specials on Request)	O2 Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements).
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HPEFV ADJUSTABLE HIGH PRESSURE SAFETY EXCESS FLOW VALVE

Models 250, 500, 750	316 Stainless Steel Brass (Specials on Request)	O2 Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements).
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Filters and Filter Strainers



End Connections	Nominal Pressures	Materials	Max Working Temperature
BV12061 Y-TYPE STRAINER			
DN15 - 300	PN16	Cast Iron	-10 to +300°C



BV12065 Y-TYPE STRAINER			
DN15 - 300	PN40	Carbon Steel	-10 to +400°C
BV800 Y-TYPE STRAINER			
DN 15 - 50	PN40	Stainless Steel	-10 to 210°C



End Connections	Assembly Rating	Max Working Temperature
CSL ISO SERIES VACUUM FILTER		
NW16 - NW40 K63 - K100	39 - 510 m ³ /h	-26 to +104°C



CSL SERIES COMPACT VACUUM FILTER		
G 3/8" - 3"	31 - 510 m ³ /h	-26 to +104°C



CSL SERIES FLANGED COMPACT VACUUM FILTER		
DN 100 - 300 3" - 6" MPT	300 - 4950 SCFM	-26 to +104°C



CT SERIES INLET VACUUM FILTER		
1" - 2" NPSC 3" - 6" FPT	40 - 1100 m ³ /h	-26 to +104°C



EE/SV SERIES OIL MIST FILTER		
3/4" MPT DN 16 - 25	14 SCFM	+20 to +80°C



EF SERIES COMPACT OIL MIST FILTER		
1/2" - 1" MPT DN 16 - 40	4.5 - 44 SCFM	+20 to +80°C



EFS SERIES DISCHARGE FILTER SILENCER		
3/8" - 1/2" MPT NW16 - 25	2.1 - 24 SCFM	-26 to +104°C



F6K INLINE OR BYPASS FILTER		
1/8" - 1/4" NPT	Calculated on Request	+20 to +80°C

Filters and Filter Strainers



End Connections	Assembly Rating	Max Working Temperature
FI1.01 GAS FILTER		
DN 15 - 250 G 3/8" - 2"	PN16 - 160	80°C



FI6.01 Stainless Steel FILTER		
DN 15 - 100 G 1/2" - 2"	PN16	80°C



FI6.06 Stainless Steel FILTER		
DN 15 - 50 G 1/2" - 2"	PN16	190°C



LRS/SRS SERIES LIQUID SEPARATOR & VACUUM FILTER		
3/4" - 3" FPT DN 100 - 300	60 - 3000 SCFM	-26 to +104°C



MICRADIF DISPOSABLE IN-LINE FILTER		
One Size	0.3 - 25 microns	-40 to +65°C



MICRAGOLD FILTER HOUSING		
1/8" NPT 1/4" NPT 1/2" NPT	0.3 to 25 microns	0 to 120°C



MICRALESCER FILTER CARTRIDGE		
12mm to 63mm ID	0.9 to 25 microns	-40 to +150°C



MICRAMESH FILTER ELEMENT		
On Request	5 to 100 microns	-240 to + 260°C



MICRASORB DISPOSABLE IN-LINE FILTER		
One Size	70 Nm ³ /h @ 9 BARG	1 to 104°C



MICRASTEEL FILTER HOUSING		
1/8" NPT 1/4" NPT 1/2" NPT	100 BARG 350 BARG	0 to 200°C



MICRATUBE FILTER CARTRIDGE		
12mm to 63mm ID	0.9 to 25 microns	-40 to +150°C



Filters and Filter Strainers



End Connections	Assembly Rating	Max Working Temperature
SF1.00 POT STRAINER		
DN 15 - 150 G 3/8" - 2"	PN 16 - 160	200°C



SF2.00I SIEVE BASKET STRAINER		
DN 50 - 1000	PN 16 - 40	450°C



SF3.00 STRAINER		
DN 15 - 100	PN160 - 500	550°C



SF6.00 STAINLESS STEEL POT STRAINER		
DN 15 - 100 G 1/2" - 2"	PN 16	130°C



SLCR/SLCRT SERIES SIDE CHANNEL BLOWER SILENCER		
1" - 4" FPT 1/2" - 4" MPT	42 - 575 SCFM	107°C



ST SERIES SEE-THROUGH VACUUM FILTER		
1" - 2" NPSC 2-1/2" - 4" FPT	40 - 520 SCFM	-26 to +104°C



STS SERIES SEE-THROUGH LIQUID SEPARATOR		
1" - 2" NPSC 2-1/2" - 4" FPT	40 - 500 SCFM	+104°C

Flow Meters and Sensors



Flow Range	Standard Fitting	Input Power	Output
100, 110, S-110 & S-113 GAS FLOW SENSOR & METER			
20 ml/min - 500 L/min (Min - Max)	1/8" - 1/2" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	11.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC



101 & 102 LIQUID FLOW SENSOR & METER			
13 ml/min - 10 l/min (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	11.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC



101T, 102T & 105 LIQUID FLOW SENSOR & METER			
13 ml/min - 10 l/min (Min - Max) Totalising Version	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	11.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC

Flow Meters and Sensors

Flow Range	Standard Fitting	Input Power	Output
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104 & 107 LIQUID FLOW SENSOR & METER

13 ml/min - 10 l/min (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	11.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC 4 - 20 mA
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106 PTFE FLOW SENSOR & METER

15 ml/min - 50 l/min (Min - Max)	1/4" - 3/8" PFA Tube PFA Male Flare Fittings	12 - 15 VDC 15 - 25 VDC 22 - 25 VDC	Pulse 0 - 5 VDC 0 - 10 VDC 4 - 20 mA
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106F PTFE FLOW SENSOR & METER

15 ml/min - 50 l/min (Min - Max) Low Viscosity Version	1/4" - 3/8" PFA Tube PFA Male Flare Fittings	12 - 15 VDC 15 - 25 VDC 22 - 25 VDC	Pulse 0 - 5 VDC 0 - 10 VDC 4 - 20 mA
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109 LIQUID FLOW METER

0.05 - 10 ml/min (Min - Max)	1/16" - 1/8" Stainless Tube Fittings	12 - 15 VDC	0 - 5 VDC 0 - 10 VDC
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400 & 470 FLOW CONTROLLER PACKAGE

15 ml/min - 2 l/min (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	0 - 5 VDC	0 - 5 VDC
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401 PTFE FLOW CONTROLLER

15 ml/min - 10 l/min (Min - Max)	1/8" - 3/8" Tube Fittings Acetal and Kynar	18 - 25 VDC	1 - 5 VDC 0 - 10 VDC 4 - 20 mA
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50K, 50S, 50D & 50SD GAS MASS FLOW SENSOR & METER

0 - 5000 sccm (air) 0 - 500 lpm (air) (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	12.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC
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80, 80S, 80D & 80SD GAS MASS FLOW CONTROLLER

0 - 10,000 sccm (air) (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Kynar, Brass and Stainless Steel	12.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC
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ATA TURBIDITY MEASUREMENT SYSTEM

0.5 to 4 CU	NPT, Flanges and Dairy Thread	115 / 230 VAC 24 VAC/VDC	4 - 20 mA
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DMH ELECTROMAGNETIC FLOWMETER

0.05 - 40,376 m ³ /h (Min - Max)	DN 15 - 1200 Flanged	115 / 230 VAC 24 VAC/VDC	4 - 20 mA with HART Pulses and Status
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DOE OVAL WHEEL FLOW METER

0.5 - 36 l/h 1 - 40 l/min (Min - Max)	1/8" - 1/2" NPT and BSPP	5 - 24 VDC	Pulse
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Flow Meters and Sensors



Flow Range	Standard Fitting	Input Power	Output
DON OVAL WHEEL FLOW METER			
0.5 - 36 l/h 150 - 2500 l/min (Min - Max)	1/8" - 4" NPT, BSPP or Flanges	5 - 30 VDC 16 - 32 VDC	4 - 20 mA Pulse LCD Display



DVH VORTEX FLOWMETER			
3 - 8 Nm ³ /h 3057 - 280, 187 Nm ³ /h (Min - Max)	DN 15 - 200 Flanged	12 - 36 VDC 85 - 240 VAC	4 - 20 mA with HART



G101, G102, G111 & G112 LIQUID FLOW SENSOR & METER			
13 ml/min - 10 l/min (Min - Max)	Brass Tube Fittings	12.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC



IRIDIUM LIQUID FLOW CONTROL SYSTEM			
7 ml/min - 10 l/min (Min - Max)	1/8" - 1/2" NPT or FlareTek	0 - 10 VDC 0 - 5 VDC 0 - 20 mA 4 - 20 mA	0 - 10 VDC 0 - 5 VDC 0 - 20 mA 4 - 20 mA



LS10 LEAK DETECTION SENSOR			
Outside Mounting	25' PVC Jacketed cable	10W, 50-100 VDC Resistive Only Normally Closed (Opens on Rising)	



MAO FLOW METER			
0 - 1,800 (ml/min) (Min - Max)	1/8" - 1/4" NPT	15 - 30 VDC	0 - 5 VDC



MIM ELECTROMAGNETIC FLOWMETER			
0.04 - 100 l/min (Min - Max)	1/2" - 1" BSPP	5 - 30 VDC	0 - 10 VDC 4 - 20 mA Pulse



OVZ OVAL WHEEL FLOW METER			
0.3 - 8 l/min (Min - Max)	1/4" - 3/4" NPT or BSPP	24 VDC	0 - 20 mA 4 - 20 mA



S-111, S-112 & S-114 LIQUID FLOW METER			
13 ml/min - 10 l/min (Min - Max)	1/8" - 3/8" Tube Fittings Acetal, Brass and Stainless Steel	11.5 - 15 VDC 18 - 25 VDC	0 - 5 VDC



TME CORIOLIS MASS FLOW METER			
0 - 60 kg/h 0 - 60,000 kg/h (Min - Max)	DN 10 - 80 Flanged	19 - 36 VDC 90 - 265 VAC	4 - 20 mA with HART Profibus-PA Fieldbus Foundation Modbus RTU

Flow Monitors

FLOW

Sizes	Calibration Ranges	Materials	Options
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125 ADJUSTABLE FLOW MONITOR



Model 125	30 - 16,000 SCCM (Air) 1 - 500 ml/m (Water) (Min - Max)	316 Stainless Steel Brass Teflon	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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125BP BYPASS ADJUSTABLE FLOW MONITOR



Model 125 (High Flow Option)	100 - 60,000 SCCM (Air) 3 - 950 ml/m (Water) (Min - Max)	316 Stainless Steel Brass Teflon	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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500 BP BYPASS ADJUSTABLE FLOW MONITOR



Model 500 (High Flow Option)	6 - 2124 SLPM (Air) 0.11 - 37.85 LPM (Water) (Min - Max)	316 Stainless Steel Brass Teflon	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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500 BPHP BYPASS HIGH PRESSURE ADJUSTABLE FLOW MONITOR

Model 500 (High Pressure Option)	6 - 993 SLPM (Air) 0.11 - 15.14 LPM (Water) (Min - Max)	316 Stainless Steel	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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CCM ADJUSTABLE FLOW MONITOR



Model 00, 010, 015 and 125	10 - 16,000 SCCM (Air) 1 - 500 ml/min (Water) (Min - Max)	PVC	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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FAV ADJUSTABLE FLOW MONITOR



Model 250, 375, 500 and 750	14.16 - 3398 SLPM (Air) 0.38 - 75.70 LPM (Water) (Min - Max)	316 Stainless Steel Brass	Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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FS NON-ADJUSTABLE FLOW MONITOR



Model 50, 75 and 1	0.57 - 32.2 LPM (Min - Max)	316 Stainless Steel Brass PVC	High Temperature and Electrical Conduit (Contact us with your specific requirements)
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KAL ELECTRONIC FLOW MONITOR



1/4" - 3/4" NPT, BSPP or Tri-Clamp	4 - 200 cm/s (Min - Max)	316 Stainless Steel	Cable Gland, M12 Connector and Power Supply (Contact us with your specific requirements)
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Flow Monitors

Sizes	Calibration Ranges	Materials	Options
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LCA ADJUSTABLE FLOW MONITOR

Model 250, 375, 500 and 750	0.38 - 56.8 LPM (Min - Max)	316 Stainless Steel Brass PVC Acrylic	Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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LPH NON-ADJUSTABLE FLOW MONITOR

Model 125, 250 and 375	50 - 45,300 SCCM (Air) 1 - 2,200 ml/min (Water) (Min - Max)	316 Stainless Steel Brass Acrylic Teflon	Teflon Encapsulated Piston, Oxygen Cleaned, High Temperature, Special Seals, Factory Presetting (Contact us with your specific requirements)
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RFA ROTORFLOW FLOW MONITOR

1/4" - 1" NPT or BSPP	0.4 - 225 l/min (Min - Max)	Polypropylene Brass 316 Stainless Steel	Low or Standard Flow Range, Output and Connection Type
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RFI ROTORFLOW VISUAL INDICATOR

1/4" - 1" NPT or BSPP	0.4 - 225 l/min (Min - Max)	Polypropylene Brass 316 Stainless Steel	Low or Standard Flow Range, Output and Connection Type
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RFO ROTORFLOW FLOW MONITOR

1/4" - 1" NPT or BSPP	0.4 - 225 l/min (Min - Max)	Polypropylene Brass 316 Stainless Steel	Low or Standard Flow Range, Output and Connection Type
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Flow Rate Displays



210R & 220 FLOW RATE DISPLAY

The Model 210R is an inexpensive, quality digital flow rate display with DIP switches on the back allowing the user to select flow range, and two connectors allow connection for power and signal. Cables are included for connection - simply provide power and 0-5VDC signal and you are ready to go.



250 & 251 MULTI-FUNCTION DISPLAY

The Model 250 & 251 allow you to program a 16-point calibration curve into a unit and have it display the corrected values, even retransmitting the linearised signal with the optional analogue output card. You can program in alarm setpoints, with actual relay contacts, with hysteresis and start up options.



ZOE TOTALISING ELECTRONICS

The ZOE electronic units are specifically designed for the calculation and display of flow rates. The device operates via battery or external power supply. The ZOE can be connected with flowmeters with pulse or frequency output.

Flow Restrictors



REG FLOW RESTRICTOR

Flow Rate	Connections	Materials
0.5 - 40 l/min (Min - Max)	1/2" - 3" NPT and BSPP	316 Stainless Steel Brass



REG-8 MULTIPLE ELEMENT FLOW RESTRICTOR

Flow Rate	Connections	Materials
0.5 - 40 l/min (Min - Max)	DN 20 - 50 Flanged	316 Stainless Steel



REG-9 MULTIPLE ELEMENT FLOW RESTRICTOR

Flow Rate	Connections	Materials
0.5 - 40 l/min (Min - Max)	1" - 2" NPT and BSPP	316 Stainless Steel

Flow Switches



501 LIQUID FLOW SWITCH

Flow Ranges	Connections	Material	Termination
13 ml/min - 10 L/min (Min - Max)	1/8" - 3/8" Acetal and Stainless Steel	Ryton Stainless Steel	0 - 5 VDC



FS10978 PISTON TYPE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
0.5 - 20 GPM Adjustable	1/2" NPT	Stainless Steel Brass	Lead Wires 1/2" Conduit



FS150 PISTON TYPE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
0.5 - 5 GPM (Fixed)	1/2" NPT	Polypropylene	1/4" Male Quick Connect Terminals



FS200 SHUTTLE TYPE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
0.5 to 100 GPM (Fixed) 1.0 - 15 GPM (Adjustable)	1" - 2" NPT	Bronze Stainless Steel	Lead Wires



FS200E SHUTTLE TYPE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
2 - 30 l/min (Fixed) 3 - 57 l/min (Fixed)	1" BSPP	Bronze	PVC Cable DIN Plug Terminal Box



FS3 PISTON TYPE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
0.2 - 3.8 l/min (Fixed)	1/4" NPT or BSPT	Noryl	Lead Wires




FS380 INLINE FLOW SWITCH

Flow Ranges	Connections	Material	Termination
0.15 - 2 GPM (Fixed)	1/2" - 3/8" NPT, Compression or Barb	Stainless Steel Brass	Lead Wires



Flow Switches

	Flow Ranges	Connections	Material	Termination
	FS380P PISTON TYPE FLOW SWITCH			
	0.07 - 2 GPM (Fixed)	3/8" NPT 1/4" Quick Disconnect	Polypropylene	Lead Wires
	FS4 FLOW SWITCH			
	0.1 - 1.5 GPM (Fixed)	9/16"-18 UNF	Ryton	Lead Wires
	FS400 ANGLED FLOW SWITCH			
	0.75 - 10 GPM (Fixed) 0.75 - 14 GPM (Adjustable)	3/4" NPT	Bronze	Lead Wires
	FS480 INLINE FLOW SWITCH			
	0.5 - 3 GPM (Fixed)	1/2" - 3/4" NPT or Compression	Stainless Steel	Lead Wires
	FS500 PISTON TYPE FLOW SWITCH			
	1 - 18.5 l/min (Fixed)	3/4" NPT or BSPT	Polypropylene Stainless Steel	Lead Wires
	FS550 PADDLE TYPE FLOW SWITCH			
	5 - 39 GPM (Fixed)	1-1/4" - 4" NPT	Stainless Steel Brass	Lead Wires
	FS6 PISTON TYPE FLOW SWITCH			
	0.4 - 6 l/min (Fixed)	1/4" BSPP	Delrin	Lead Wires
	FS600 SOLID STATE FLOW SWITCH			
	0.1 - 11 GPM (Fixed)	1/2" - 1-1/2" NPT	Stainless Steel	M12 x 1 (4-PIN)
	FS925 PISTON TYPE FLOW SWITCH			
	0.1 to 1.5 GPM (Fixed)	1/4" NPT	Stainless Steel Brass	Lead Wires 1/2" NPT Conduit
	FS926 PISTON TYPE FLOW SWITCH			
	50 - 300 cc/min (Fixed)	1/4" NPT	Stainless Steel Brass	Lead Wires 1/2" NPT Conduit
	FS927 PISTON TYPE FLOW SWITCH			
	0.1 - 1.5 GPM (Fixed)	1/4" NPT	Stainless Steel Brass	Lead Wires

Flow Switches

Flow Ranges	Connections	Material	Termination
FS930 PISTON TYPE FLOW SWITCH			
0.1 - 1 GPM	1/4" NPT	Brass	Lead Wires 1/2" NPT Conduit
PF2 & PF2W DIGITAL FLOW SWITCH			
1 - 12,000 L/min (Min - Max)	NPT, BSPT or BSPP	On Request	Lead Wires M12 Connector Digital Display
PF2D DIGITAL FLOW SWITCH			
1 - 12,000 L/min (Min - Max)	NPT, BSPT or BSPP	On Request	Lead Wires M12 Connector Digital Display
PFM DIGITAL FLOW SWITCH			
1 - 12,000 L/min (Min - Max)	NPT, BSPT or BSPP	On Request	Lead Wires M12 Connector Digital Display
RFS ROTORFLOW SET POINT SWITCHING			
0.4 - 225 l/min (Min - Max)	1/4" - 1" NPT or BSPP	Polypropylene Brass 316 Stainless Steel	Lead Wires

Globe, Control and Bellows Valves

Connections	Pressure Ranges	Valves Type	Max Working Temperature	Material
BALANS GLOBE VALVE				
DN 10 - 25	PN420	Manual or Pneumatic	-30 to +50°C	Stainless Steel
BV25061 BELLOWS SEALED VALVE				
DN 15 - 250	PN16	Manual	-10 to +300°C	Cast Iron
BV25063 BELLOWS SEALED VALVE				
DN 15 - 200	PN25	Manual	-10 to +350°C	Cast Iron
BV25064 BELLOWS SEALED VALVE				
DN 15 - 250	PN16	Manual	-10 to +350°C	Cast Iron
BV25065 BELLOWS SEALED VALVE				
DN 15 - 300	PN40	Manual	-10 to +400°C	Stainless Steel



Globe, Control and Bellows Valves



Connections	Pressure Ranges	Values Type	Max Working Temperature	Material
BV25066 BELLOWS SEALED VALVE				
DN 15 - 300	PN40	Manual	-60 to +400°C	Stainless Steel



Connections	Pressure Ranges	Values Type	Max Working Temperature	Material
LOCKS TANK GLOBE VALVE				
DN 10 (3/8")	PN36	Manual	-40 to +65°C	Stainless Steel



STANDARD INSTRUMENTATION BELLOWS VALVES				
Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.				

High Purity Flow Meters and Monitors



Flow Ranges	Standard Fittings	Input Power	Output
U701 , U702, U705 & U706 LIQUID FLOW RATE METER			
15 ml/min - 50 l/min (Min - Max)	1/4" - 1" Male Flare	12 - 15 VDC 22 - 25 VDC	Pulse 0 - 5 VDC 0 - 10 VDC 4 - 20 mA



Flow Ranges	Standard Fittings	Input Power	Output
U707 & U708 COMPACT LIQUID FLOW RATE METER			
15 ml/min - 10 l/min (Mix - Max)	1/4" - 3/8" Male Flare	12 - 15 VDC 22 - 25 VDC	Pulse 0 - 5 VDC 0 - 10 VDC 4 - 20 mA



Flow Ranges	Standard Fittings	Input Power	Output
U709 FLOW MONITOR			
7 ml/min - 1 l/min (Min - Max)	1/4" Male Flare	12 - 15 VDC 22 - 25 VDC	Pulse



Flow Ranges	Standard Fittings	Input Power	Output
U802 LIQUID FLOW CONTROLLER			
15 ml/min - 10 l/min (Min - Max)	1/4" - 1/2" Male Flare	22 - 25 VDC	0 - 5 VDC 0 - 10 VDC 4 - 20 mA



Flow Ranges	Standard Fittings	Input Power	Output
U803 & U804 COMPACT LIQUID FLOW CONTROLLER			
7 ml/min - 1 l/min (Min - Max)	1/4" Male Flare	22 - 25 VDC	0 - 5 VDC 0 - 10 VDC 4 - 20 mA

High Purity Pumps

Flow Ranges	Pressure Ranges	Connections	Max Working Temperature	Material
AIR AND LIQUID ASPIRATOR				
N/A	5 - 60 psi	3/8" - 1/2" FNPT	150°C	PTFE
ASTIPURE AMC PULSATION DAMPER				
N/A	72.5 psi	3/8" - 1" Flare Tube Fitting	0 to 100°C	PFA PTFE
ASTIPURE II BELLOWS HIGH PURITY PUMP				
15 - 60 LPM (Min - Max)	80 psi	1/2" - 1" FlareGrip or Tube End	0 - 90°C	PFA PTFE
ASTIPURE PFH HIGH TEMPERATURE PUMP				
0 - 50 l/min	72.5 psi	1/4" or 6mm Tube	0 to 160°C	PTFE
MAGNETICALLY DRIVEN BOOSTING TURBO PUMP				
18 LPM	15 - 60 psi	3/4" Coarse Thread Flare	50°C	PTFE
MDP MINI DISPENSE PUMP				
0 - 0.5 ml/min 0 - 10 ml/min	50 - 70 psi	1/4" FlareGrip	0 to 50°C	PTFE PFA
PPRD1 PNEUMATIC DOSING PUMP				
0 - 120 l/h	40 - 70 psi	1/4" - 3/8" FlareGrip	0 to 50°C	PTFE PFA
PPRD2 PNEUMATIC DOSING PUMP				
0 - 240 l/h	40 - 70 psi	5/16" - 1/2" FlareGrip	0 to 50°C	PTFE PFA
PV AIR OPERATED BELLOWS PUMP				
8 - 60 GPM (Min - Max)	80 psi	3/4" - 1" FlareGrip or Tube End	0 to 90°C	PTFE PFA
RECIRC SPRAY GUN				
N/A	100 psi	3/8" IMP Male Run Tee	0 to 50°C	PTFE/FEP





High Purity Valves

Connections	Pressure Ratings	CV Values	Max Working Temperature	Materials
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AP3672 & 3675 HIGH PURITY METERING VALVE

1/4" FaceSeal 3/8" FaceSeal Tube Stub Weld Available	Vacuum to 145 psig	0.02 CV 0.08 CV	-40 to + 71°C	Stainless Steel
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AP64 HIGH PURITY CHECK VALVE

1/4" FaceSeal Tube Stub Weld Available	Vacuum to 3,500 psig	0.4 CV	-23 to +204°C	Stainless Steel
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AZ3672 & 3675 HIGH PURITY METERING VALVE

1/4" FaceSeal 3/8" FaceSeal Tube Stub Weld Available	Vacuum to 145 psig	0.02 CV 0.08 CV	-40 to + 71°C	Stainless Steel
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CDV1000 MANUAL 2-WAY VALVE

1/2" FlareGrip 1/2" Super300	90 psig	3.0	82°C	PFA
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CDV1000 MANUAL 3-WAY VALVE

1/2" - 3/4" FlareGrip 1/2" - 3/4" Super300	90 psig	3.0	82°C	PTFE
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CDV1000 PNEUMATIC 2-WAY VALVE

1/2" Fusebond 1/2" FlareGrip 1/2" Super300	90 psig	3.0	82°C	PFA
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CDV1000 PNEUMATIC 3-WAY VALVE

1/2" FlareGrip 1/2" Super300	90 psig	3.0	82°C	PTFE
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CHEMPURE INLINE 2" MANUAL VALVE

1-1/2" Fusebond 2" Fusebond	80 psig	42 52	5 to 100°C	PTFE
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CHEMPURE INLINE 2" PNEUMATIC VALVE











1-1/2" Fusebond 2" Fusebond	80 psig	42 52	5 to 100°C	PTFE
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DVX ELECTRICALLY ACTUATED SOLENOID VALVE

1/4" FNPT	100 psig	0.6	90°C	PTFE
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High Purity Valves

	Connections	Pressure Ratings	CV Values	Max Working Temperature	Materials
	HPVM MULTI TURN MANUAL VALVE				
	1/4" FlareGrip	80 psig	0.82	80°C	PFA
	1/4" FuseBond				
1/4" Super300					
	HPVM PNEUMATIC 3-WAY VALVE				
	1/4" - 3/8"	80 psig	0.82	80°C	PFA
	FlareGrip				
Fusebond Super300					
	HPVM QUARTER-TURN MANUAL VALVE				
	1/4" - 3/8"	80 psig	0.82	80°C	PFA
	FlareGrip				
Super300					
	INLINE1000 VALVE				
	3/4" - 1-1/4"	100 psig	15	100°C	PFA
	FlareGrip				
Fusebond					
	LCVM LARGE MEDIA ACTUATED CHECK VALVE				
	1/2" - 1"	150 psig	3.7 - 7.5	121°C	PFA
	FlareGrip				
Fusebond GrabSeal FNPT					
	LVA HIGH PURITY CHEMICAL VALVE				
	1/8" - 1"	0.5 MPa	0.07 - 8	0 to 100°C	Stainless Steel PPS PFA
	NPT or BPST				
	LVC HIGH PURITY CHEMICAL VALVE				
	1/8" - 1"	0.5 MPa	0.35 - 8	0 to 100°C	PFA
	or 4 - 25mm				
Tube OD					
	MANUAL MULTI-TURN Q-VALVE				
	1/4" - 3/4"	80 psig	0.8 - 9.4	0 to 80°C	PFA
	FlareGrip				
Fusebond FNPT					
	MANUAL QUARTER-TURN Q-VALVE				
	1/4" - 1"	80 psig	0.8 - 9.4	0 to 80°C	PFA
	FlareGrip				
FNPT Fusebond					
	MANUALLY ACTUATED J-VALVE				
	3.4" - 1"	85 psig	5.2 - 7.2	95°C	PFA
	FlareGrip				
Fusebond Super300					



High Purity Valves

Connections	Pressure Ratings	CV Values	Max Working Temperature	Materials
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MANUALLY ACTUATED METERING VALVE

1/8" - 1/4" FNPT MNPT Grabseal	75 psig	0.2 - 0.5	100°C	PTFE
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MANUALLY ACTUATED PRECISION PLUG VALVE



1/16" - 3/8" FNPT MNPT GrabSeal	75 psig	0.2 - 0.5	100°C	PTFE
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MCVM MINI MEDIA ACTUATED CHECK VALVE

1/4" - 3/8" FlareGrip Super300	120 psig	0.1 - 1.9	95°C	PFA
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PNEUMATICALLY ACTUATED J-VALVE

3/4" - 1" FlareGrip Fusebond Super300	85 psig	5.2 - 7.2	95°C	PFA
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PNEUMATICALLY ACTUATED Q-VALVE



1/4" - 1" FlareGrip FNPT Fusebond	80 psig	0.8 - 9.4	0 to 80°C	PFA
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PNEUMATICALLY ACTUATED SUCKBACK DIAPHRAGM VALVE

1/4" - 1/2" FNPT FlareGrip	60 psig	0.8 - 3.18	80°C	PTFE
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RDVM & SMDVM SELF MANIFOLDING DISTRIBUTION VALVE

1/2" - 1" FlareGrip	100 psig	15	100°C	PTFE
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SCM2 MANUALLY ACTUATED STOPCOCK VALVE



1/4" - 1/2" MNPT FlareGrip	43 psig	On Request	0 to 60°C	PFA
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SCM3 MANUALLY ACTUATED STOPCOCK VALVE

1/4" - 1/2" FlareGrip	43 psig	On Request	0 to 60°C	PFA
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STATIC MIXER



1/2" - 1" FlareGrip	90 psig	1.75 - 4.1	5 to 100°C	PTFE
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High Purity Valves

FLOW

Connections	Pressure Ratings	CV Values	Max Working Temperature	Materials
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UPM1000 MANUALLY ACTUATED 2-WAY DIAPHRAGM VALVE

1/4" - 1" FlareGrip Fusebond FNPT Grabseal	100 psig	0.8 - 7	-53 to +130°C	PTFE
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UPM1000 MANUALLY ACTUATED 3-WAY DIAPHRAGM VALVE

1/4" - 1" FlareGrip Fusebond FNPT Grabseal	100 psig	0.8 - 7	-53 to +90°C	PTFE
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UPM1000 PNEUMATIC 2-WAY DIAPHRAGM VALVE (FOR SLURRY)

3/4" - 1" FlareGrip Fusebond	120 psig	7	-53 to +95°C	PTFE
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UPM1000 PNEUMATIC 3-WAY DIAPHRAGM VALVE (FOR SLURRY)

3/4" - 1" FlareGrip Fusebond	120 psig	7	-53 to +95°C	PTFE
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UPM1000 PNEUMATICALLY ACTUATED 2-WAY DIAPHRAGM VALVE

1/4" - 3/4" FlareGrip FNPT Grabseal Fusebond	100 psig	0.8 - 7	-53 to +95°C	PTFE
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UPM1000 PNEUMATICALLY ACTUATED 3-WAY DIAPHRAGM VALVE

1/4" - 3/4" FlareGrip FNPT Grabseal Fusebond	100 psig	0.8 - 7	-53 to +95°C	PTFE
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UPX2000 MANUALLY ACTUATED 2-WAY DIAPHRAGM VALVE

1/2" - 3/4" FlareGrip Fusebond	100 psig	3.18 - 7	-53 to +90°C	PTFE
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UPX2000 MANUALLY ACTUATED 3-WAY DIAPHRAGM VALVE

1/2" - 3/4" FlareGrip Fusebond	100 psig	3.18 - 7	-53 to +90°C	PTFE
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UPX2000 PNEUMATICALLY ACTUATED 2-WAY DIAPHRAGM VALVE

1/2" - 3/4" FlareGrip Fusebond	100 psig	3.18 - 7	-53 to +90°C	PTFE
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UPX2000 PNEUMATICALLY ACTUATED 3-WAY DIAPHRAGM VALVE

1/2" - 3/4" FlareGrip Fusebond	100 psig	3.18 - 7	-53 to +90°C	PTFE
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Manifolds

Working Pressures	Body Materials	End Connections	Packing Options
EH37 REMOTE MOUNT SINGLE EQUALISER 5-VALVE MANIFOLD			
Up to 6000 Psig	316SS-NACE Hastelloy C Monel	NPT/Flanged	TFE Graphite
EH79 DIRECT MOUNT 2-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT/Flanged	TFE Graphite
EM45 REMOTE MOUNT THREADED 3-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT	TFE Graphite
EM53 DIRECT MOUNT 3-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT/Flanged	TFE Graphite
EM54 DIRECT MOUNT DOUBLE FLANGED 3-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT/Flanged	TFE Graphite
EM57 REMOTE MOUNT DOUBLE EQUALISER 5-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT	TFE Graphite
EM59 REMOTE & DIRECT MOUNTING 2-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT	TFE Graphite
EM74 REMOTE MOUNT SINGLE EQUALISER 5-VALVE MANIFOLD			
Up to 6000 Psig	316 SS-NACE Hastelloy C Monel	NPT	TFE Graphite

Needle Valves



EN39 NEEDLE VALVE

The EN39 Instrument Valves are compact and economical high pressure instrument block valves.



STANDARD INSTRUMENTATION NEEDLE VALVE

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.

Plug Valves



STANDARD INSTRUMENTATION PLUG VALVES

Sizes range from 1/8" to 1" and materials in Stainless Steel and Brass. Please contact us with your specifications for a quote.

Sampling Valves



EPOS SAMPLING VALVE

Sampling valves facilitate taking representative samples from pipelines or vessels/reactors; for liquids, gases and solids (granulate and powder) as well as for suspensions and melts.

In the modular design system, we can provide product with specially designed sealing systems, sampling bottles and containers for different coupling mechanisms in order to provide gas-tight seals according to the clean air regulations (TA-Luft). These can be operated by hand wheel, dead mans lever, pneumatic and electric actuators up to programming controls for defined shift and daily samples. Please contact us with your specifications for a quote.



SV SAMPLING VALVE

Sight Glasses



DA4.00 SIGHT GLASS

End Connections	Nominal Pressure	Media	KVS Values	Max Working Temperature
DN 15 - 250 G 3/8" - 2"	PN16 - 40	Liquids, Gases and Steam	0.18 - 8 m ³ /h	280°C



DA6.00 SIGHT GLASS

DN 15 - 50 G 1/2" - 2"	PN16	Liquids, Gases and Steam	0.2 - 1 m ³ /h	130°C
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Solenoid Valves



A SERIES GENERAL PURPOSE SOLENOID VALVE

MOPD	CV Range	Body Material	Watts
1000 psi	0.019 to 0.3	Stainless Steel Brass	6



AS SERIES ISOLATION SOLENOID VALVE

110 - 150 psi	0.020 to 0.3	Stainless Steel Polypropylene Brass	4.5 to 7
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B SERIES MODULAR SOLENOID VALVE

400 psi	0.018 to 0.43	Stainless Steel Brass	7
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Solenoid Valves



MOPD	CV Range	Body Material	Watts
B-CRYO SERIES CRYOGENIC SOLENOID VALVE			
900 psi	0.045 to 0.44	Stainless Steel	9



BL SERIES LATCHING SOLENOID VALVE			
100 psi	0.018 to 0.43	Stainless Steel Brass	On Request



BS SERIES HIGH FLOW ISOLATION SOLENOID VALVE			
150 psi	0.035 to 0.3	Stainless Steel Polypropylene Brass	4.5 - 7



C SERIES HIGH FLOW SOLENOID VALVE			
400 psi	0.019 to 0.42	Stainless Steel Brass	7



D SERIES HIGH FLOW SOLENOID VALVE			
900 psi	0.045 to 0.88	Stainless Steel Brass	10



D-CRYO SERIES CRYOGENIC SOLENOID VALVE			
1000 psi	0.04 to 0.77	Stainless Steel	15



E & EH SERIES SUBMINIATURE GAS SOLENOID VALVE			
175 psi	0.018 to 0.070	Brass	0.65 - 2



G & GH SERIES SUBMINIATURE SOLENOID VALVE			
250 psi	0.018 to 0.070	Stainless Steel	0.65 - 2



LVM CHEMICAL SOLENOID VALVE			
-75 kPa to +0.2 MPa	0.018 to 0.065	Dependant on Media	0.9 - 3.3



M SERIES SUBMINIATURE SOLENOID VALVE			
100 psi	0.018 to 0.070	Brass Aluminum	0.5 - 2



PM & PL SERIES ISOLATION SOLENOID VALVE			
15 - 30 psi	0.018 to 0.070	Stainless Steel	2.8

Variable Area Flow Meters



Measuring Range	Nominal Pressure	End Connection	Materials	Max Working Temperature
BGF VARIABLE AREA FLOW METER				
10 - 40,000 l/h (Water) 0.3 - 1,100 m ³ /h (Air) (Min - Max)	PN40 - 400	DN 15 - 80	Stainless Steel	-40 to +200°C



BGK VARIABLE AREA FLOWMETER				
0.1 - 200 l/h (Water) 5 - 6,000 NI/h (Air) (Min - Max)	PN40	DN 10 - 25	Stainless Steel	Up to 130°C



BGN HIGH PRESSURE VARIABLE AREA FLOWMETER				
0.5 - 130,000 l/h (Water) 0.015 - 2,400 m ³ /h (Air) (Min - Max)	PN40 (Up to 600 BAR available)	DN 15 - 150	Stainless Steel Hastelloy C PTFE	-40 to +350°C



BGN VARIABLE AREA FLOWMETER				
0.5 - 130,000 l/h (Water) 0.015 - 2,400 m ³ /h (Air) (Min - Max)	PN40	DN 15 - 150	Stainless Steel Hastelloy C PTFE	-40 to +350°C



FLUXLINE PLASTIC VARIABLE AREA FLOWMETER				
10 - 600 l/min (Air) 0.6 - 40 l/min (Water) (Min - Max)	8 BARG Max	1/4" BSPP Female	Stainless Steel Brass	Up to 60°C



UNIFLUX GLASS VARIABLE AREA FLOWMETER				
5 cc/min - 100 l/min (Air) 1 cc/min - 4.4 l/min (Water) (Min - Max)	20 BARG Max	1/4" BSPP Female	Stainless Steel Brass	-15 to +120°C