

## APL Series Direct Reading



- Suitable for low pressure gas
- Identifies critical process changes
- Liquid or gas metering
- Customised calibration available
- Simple installation
- Optional alarms and transmitters

## Construction & Specification

<b>Connection:</b>	1/2", 3/8" or 1" BSPF 316 St.Steel
<b>Wetted materials:</b>	Nitrile, St.Steel. PVC and Dural on some gas ranges.
<b>Accuracy:</b>	± 2% FSD
<b>Repeatability:</b>	± 0.5% of Flow
<b>Temperature:</b>	60°C max.
<b>Operating Pressure:</b>	8 bar max. at 20°C } Acrylic 3 bar max. at 60°C } 20 bar max. Glass
<b>Pressure Drop:</b>	
<b>Gas</b>	6 mbar max.
<b>Liquid</b>	25 mbar max.

# FLOW

**ABLE Instruments & Controls Ltd.**  
Cutbush Park, Danehill, Lower Earley,  
Reading, Berks., RG6 4UT UK  
Tel: **+44 (0)118 931 1188**  
Fax: **+44 (0)118 931 2161**  
Email: [sales@able.co.uk](mailto:sales@able.co.uk)  
Website: [www.able.co.uk](http://www.able.co.uk)

**ABLE**

## APL Series Direct Reading

### Standard Flow Ranges

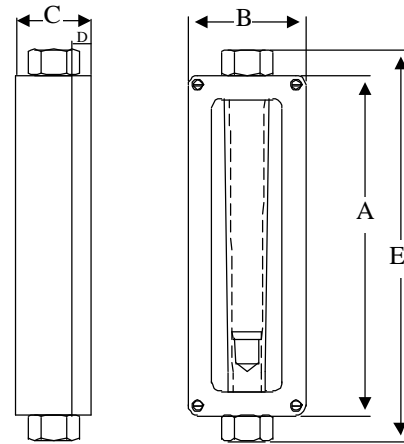
APL Series Direct Reading Flowmeters can be selected over a wide range of flows to suit each particular gas or liquid being measured. The following tables show standard ranges for air, natural gas and water, please enquire for details of other fluids and process conditions.

Type	Float Mat.	Air (20°C, 1013mbar)
MH	Dural	40 to 360 L/min
MH	St.Steel	60 to 600 L/min
LH	Dural	100 to 1000 L/min
LH	St.Steel	200 to 2000 L/min

Type	Float Mat.	Natural Gas (20°C, 1013mbar)
MH	Dural	60 to 480 L/min
MH	St.Steel	80 to 800 L/min
LH	Dural	150 to 1300 L/min
LH	St.Steel	300 to 2600 L/min

Type	Float Material	Water (20°C)
MH	St.Steel	2 to 20 L/min
MH	St.Steel	4 to 40 L/min
LH	St.Steel	5 to 60 L/min
LH	St.Steel	10 to 100 L/min

### Installation



mm					
Type	A	B	C	D	E
MH	220	125	80	20	250
LH	355	125	80	20	385

The meter is mounted vertically, with flow upward. There are no minimum requirements for straight pipe sections, upstream or downstream of the meter.

### Ordering Codes

CONNECTION MATERIAL + FLOW TUBE	
<p><b>Example</b> _____ APL _____ MH</p> <p><b>Housing</b> _____</p> <p>MH</p> <p>LH</p> <p><b>Options</b></p> <p>Please enquire for single or dual reed switch alarms and 4 to 20mA transmitters.</p>	<p><b>6-600 L/min Air</b></p> <p><b>Specific Units &amp; Fluid Type</b></p> <p>For standard air, natural gas and water ranges consult the tables above. For alternative fluids or conditions, please specify nominal flow or preferred flow range, units, fluid composition and process conditions at the meter.</p>

\* Doesn't quite match your application? Contact our factory application engineers, for the many options available on this unit



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# FAXBACK RESPONSE FORM

**FAXBACK +44 (0)118 931 2161 • EMAILBACK info@able.co.uk**

ABLE's product portfolio is listed below, to receive information on any of these products please indicate your interest and return this form to us:-

## LEVEL

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Float Switches   | <input type="checkbox"/> Ultrasonic Switches & Transmitters | <input type="checkbox"/> Magnetic Level Indicators |
| <input type="checkbox"/> Nucleonic Gauges | <input type="checkbox"/> R.F. Admittance                    | <input type="checkbox"/> Capacitance               |
| <input type="checkbox"/> Radar            |   |  |

## FLOW

- |  |  |                                      |
|--|--|--------------------------------------|
| <input type="checkbox"/> Open Channel Flow | <input type="checkbox"/> Clamp-on Ultrasonic | <input type="checkbox"/> Pitot Tubes |
| <input type="checkbox"/> Turbines          | <input type="checkbox"/> Coriolis            | <input type="checkbox"/> Mag Meters  |
| <input type="checkbox"/> Thermal Mass Flow |  |                                      |

## TEMPERATURE & PRESSURE

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Temperature & Pressure Transmitters | <input type="checkbox"/> Differential Pressure Gauges | <input type="checkbox"/> Temperature & Pressure Switches |
| <input type="checkbox"/> Pressure Regulators                 |   |  |

## PROCESS CONTROLLERS

- |   |  |
|---|--|
| <input type="checkbox"/> Hybrid Control Systems | <input type="checkbox"/> Signal Loop Controllers |
|---|--|

## HUMIDITY & MOISTURE

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> RH & Dew Point | <input type="checkbox"/> Moisture in Solids Analysers | <input type="checkbox"/> Trace Moisture |
|---|---|---|

## RADIOMETRY

- |                                      |                                  |                                    |
|--------------------------------------|----------------------------------|------------------------------------|
| <input type="checkbox"/> Ultraviolet | <input type="checkbox"/> Visible | <input type="checkbox"/> Infra-red |
|--------------------------------------|----------------------------------|------------------------------------|

## COMPOSITION

- |  |                                       |
|--|---------------------------------------|
| <input type="checkbox"/> Liquid Analysis | <input type="checkbox"/> Gas Analysis |
|--|---------------------------------------|

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Mr/Ms/Other \_\_\_\_\_ Initials \_\_\_\_\_ County: \_\_\_\_\_ What industry is your Company associated with? \_\_\_\_\_

Surname: \_\_\_\_\_ Country: \_\_\_\_\_ P/c.: \_\_\_\_\_

Job Title: \_\_\_\_\_ Tel: \_\_\_\_\_ Do you have access to the internet?  Yes  No

Company: \_\_\_\_\_ Fax: \_\_\_\_\_ Where did you learn of our Company? \_\_\_\_\_

Address: \_\_\_\_\_ Email: \_\_\_\_\_

\_\_\_\_\_ Website: \_\_\_\_\_



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