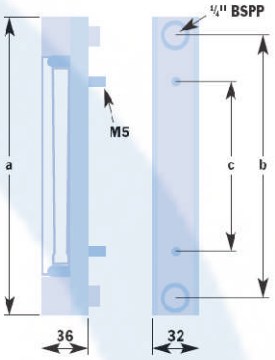
## Features

Panel mounting flow meter
In-Line or rear facing connections
Standard scales for Air, Water and common gases
Custom scales for alternative liquids and gases
Adjustable alarm options
2 wire, 4 - 20mA transmitter option
Optional integral needle valve
Brass or St. Steel material

## Specification

| | |
|---|---|
| **Gas ranges** | 5cc/min to 100 l/min (Air equiv) |
| **Liquid ranges** | 1cc/min to 4.4 l/min (H2O equiv) |
| **Scales lengths** | 30mm(compact) 100mm (standard) |
| **Accuracy** | Class 2.5 VDI/VDE |
| **Repeatability** | Better than 0.5% |
| **Temp Range** | -15 to 120 oC |
| **Pressure** | 20 Barg - non shock |
| **Connections** | 1/4“ BSPF In-Line or rear facing |
| **Conn Mat’l** | Nickel Plated Brass or St Steel |
| **Seals** | Viton |
| **Tube** | Borosiicate Glass |
| **Float** | St Steel, Anodised Aluminium or Acetal |




| mm | Compact | Standard |
|---|---|---|
| a | 133 | 210 |
| b | 108 | 184 |
| c | 65 | 121 |

**Example** **SV1B - Flow Range**

**Model**
**C** = Compact
**S** = Standard
**Style**
**A** = Angled Conns
**S** = Straight Conns
**V1** = Valved Size 1
**V2** = Valved Size 2
**Connection Mat’l**
**S** = St Steel
**B** = Brass

Use - V1 for flow <13 l/min Air or V2 for flow >13 l/min Air or equiv.

**Compact**

For flow ranges other than those listed, please provide:

Nominal flow req’d
Fluid properties
Working pressure
Operating temperature

| | Water | Air |
|---|---|---|
| cc/min | 10-80 | 20-200 |
| | 25-250 | 50-500 |
| | 100-700 | 100-1000 |
| L/min | 0.2-1 | 0.2-1 |
| | | 0.5-2.5 |
| | | 0.5-5 |
| | | 2-12 |
| | | 5-25 |

## Standard Glass Tubes - 100mm Scale

| | Water | Air | Argon | Butane | Carbon Dioxide | Carbon Monoxide | Cracked Ammonia | Helium | Hydrogen | Methane | Nitrogen | Oxygen | Propane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cc/min | 1-10 | | | | | | | | | | | | |
| | 2-25 | 5-100 | 5-80 | 20-130 | 10-100 | 10-100 | 10-120 | 5-100 | 20-250 | 10-150 | 5-100 | 5-90 | 10-140 |
| | 4-60 | 20-250 | 20-200 | 50-290 | 20-250 | 20-270 | 30-360 | 20-280 | 40-600 | 40-360 | 20-250 | 20-220 | 40-300 |
| | 20-280 | 60-600 | | | | | | | | | | | |
| | 40-480 | 50-750 | 40-660 | 100-800 | 50-750 | 50-800 | | 50-800 | | | 50-800 | 50-700 | 100-850 |
| | 50-750 | | | | | | | | | | | | |
| L/min | 0.1-1.5 | | | | | | | | 0.1-1.2 | 0.1-1.1 | | | |
| | 0.3-3 | 0.1-1.2 | 0.1-1 | 0.1-1.1 | 0.1-1.1 | 0.1-1.2 | 0.1-1.8 | 0.1-1.8 | 0.2-3.4 | 0.1-1.7 | 0.1-1.2 | 0.1-1.1 | 0.1-1.2 |
| | 0.4-4.4 | 0.2-2 | 0.2-1.7 | 0.4-2 | 0.2-1.8 | 0.2-2 | 0.3-3 | 0.2-3 | 0.4-5.6 | 0.4-2.8 | 0.2-2 | 0.2-1.8 | 0.3-2.2 |
| | | 0.3-3 | 0.2-2.6 | | 0.3-2.8 | 0.2-3 | | 0.4-5 | 0.5-10 | 0.4-4.4 | 0.3-3 | 0.4-2.8 | 0.4-3.1 |
| | | 0.6-5 | 0.4-4 | 0.8-4 | 0.6-4.4 | 0.6-5 | 1-8 | 0.5-9 | 1-15 | 1-7 | 0.6-5 | 0.4-4.4 | 0.8-4.8 |
| | | 1-10 | 1-8 | | | | | 2-20 | | | | | |
| | | 1-13 | 1-11 | 1-10 | 1-11 | 1-12 | 2-22 | 1-28 | 2-46 | 1-18 | 1-13 | 1-12 | 1-11 |
| | | 2-26 | 2-22 | | 2-20 | 2-26 | 4-48 | 2-60 | 5-95 | 2-36 | 2-27 | 2-25 | 2-22 |
| | | 4-50 | 4-44 | | 4-40 | | 10-90 | 5-120 | 10-180 | 5-70 | 4-50 | 4-50 | 4-40 |
| | | 10-100 | 10-90 | | 10-80 | | 20-180 | 20-270 | 40-400 | 15-140 | 10-100 | 10-100 | 10-85 |

Calibrations Stated at 20oC and 760mm Hg