LAURIS TECHNOLOGIES

• EXTENDING THE LIMIT •

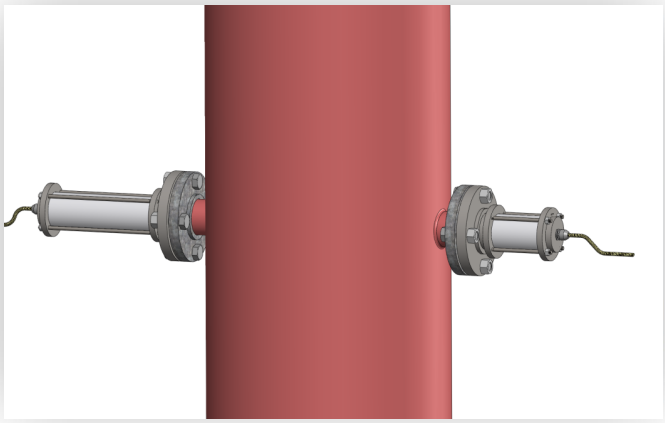
VG 0950

Flue Gas Flow Meter

Description

The VG series of gas flow meters is based on revolutionary flow visualization technology. Flow visualization as a tool for studying 2D and 3D flow patterns has been known to flow researchers for years. However, it has never been developed for industrial flow metering

VG series is filling this gap now. This is not only a practical implementation of the novel flow metering approach but also a beginning of the advanced instrumentation technique with adds-on capabilities of turbidity measurement, particle counts and distributions, etc. All are required by the modern continues emission monitoring (CEM).



Features

- **Process temperature: up to 1000C, Highest in the industry**
- **Short upstream and downstream piping**
- **Adds-on capabilities: turbidity measurement, particle distribution, etc.**

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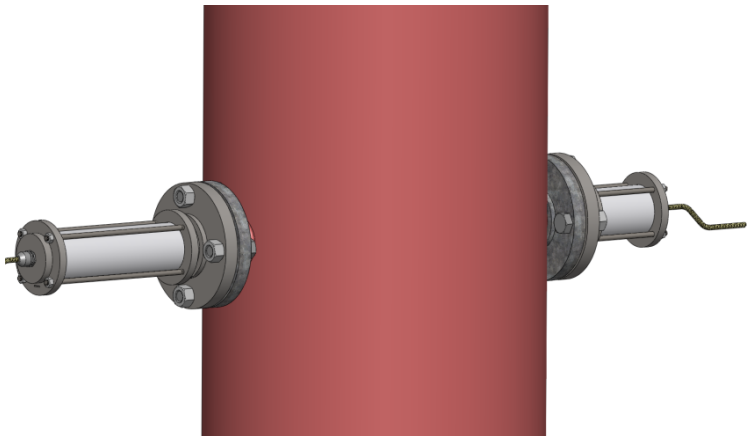

Specifications

Design	Two head, 4" flange connection
Material:	SS321, ceramics, sapphire sight windows
Flange Rating	#150,
Bore and Pipe Schedule	2", Sch 40
Velocity Range	0.1m/s to 40 m/s (0.3 ft/s to 120 ft/s)
Accuracy	1.5% to 2.5%
Repeatability	Better than 1%

Operating Conditions

Pipe Diameter	20cm to 200cm (8" to 80")
Process Temperature	+100C to +1000C (212F to +1830F)
Maximum Process Pressure	NA
Ambient Temperature	-45C to +60C (-49F to +140F)

Electrical Characteristics

Supply Voltage	24VDC (20-32VDC)
Power Consumption	5W (max)
Output	4-20mA, ModBus
Input	NA
LCD Display	Standard, can be excluded for low temperature operations
Hazardous Area Approval	NA

Contact: Lauris Technologies Inc, 114-250 Schoolhouse st, Coquitlam, BC, Canada, V3KV67
Tel: (604) 553 3115, Fax: (604) 939 2653, www.lauristech.com contact@lauristech.com