

The Need For Every
Process Industry

SPINK CONTROLS®

An ISO 9001:2015 Certified Company



VENTURI METER

MODEL: SC / R - 1700

FLOW

VENTURI METER

MODEL : SC / R - 1700

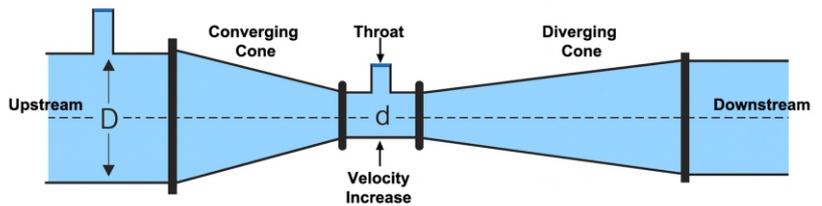


Spink Controls' Venturi Flowmeter is a high-performance differential pressure flow element designed for accurate measurement of liquids, gases, and steam. It operates on Bernoulli's principle, offering excellent accuracy with low permanent pressure loss and long-term stability. The smooth converging and diverging sections minimize turbulence and wear, making it ideal for large pipeline applications in power

plants, water treatment, process, and chemical industries. Its rugged construction and high repeatability ensure reliable performance even under varying flow conditions.

PRINCIPLE OF OPERATION

The Venturi meter works on the Bernoulli principle. As fluid flows through the converging section, velocity increases and static pressure drops at the throat. The pressure difference between the inlet and the throat is measured and used to calculate flow rate. The diverging section then recovers most of the lost pressure, resulting in low permanent pressure loss.



APPLICATIONS

- Water & wastewater pipelines
- Power plants
- Chemical & process industries
- Steam and gas lines
- Cooling water systems

ENGINEERING SPECIFICATION

Design Standard	: ISO 5167 / ASME MFC-3M / BS 1042
Type	: Fabricated
Line Size	: 100 to 1200 NB (8" to 48")
End Connection	: Flange WNRF, SORF
Flange MOC	: ASTM-A-105 / A182 / SS316 / SS314 / Monel, other on request
Venturi MOC	: MS, SS, other on request



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