



## Venturi tubes

---

Why do we use venturi tubes?

Venturi tubes are used to measure the flow rate of a fluid and are based on the principle of the **Venturi effect**. This effect describes how the pressure of a fluid decreases as it flows through a constricted section of pipe. The main reasons we use Venturi tubes include: **Flow Rate Measurement, Low Energy Loss, No Moving Parts, Simplicity and Durability and Non-intrusive Measurement**.

This makes Venturi tubes valuable in applications like water treatment plants, oil pipelines, air flow measurements in ducts, and more.

**QUALITY CAN BE MEASURED**

# Venturi tubes

Den Holder is manufacturer of all types of Venturi Tubes which are designed in accordance with our clients requirements or any international standard. Most common used standard is ISO 5167 and this standard covers three types of classical venturi tubes:

- A:** Venturi tube with 'as cast' convergent section
- B:** Venturi tube with machined convergent section
- C:** Venturi tube with a rough-welded sheet-iron convergent section

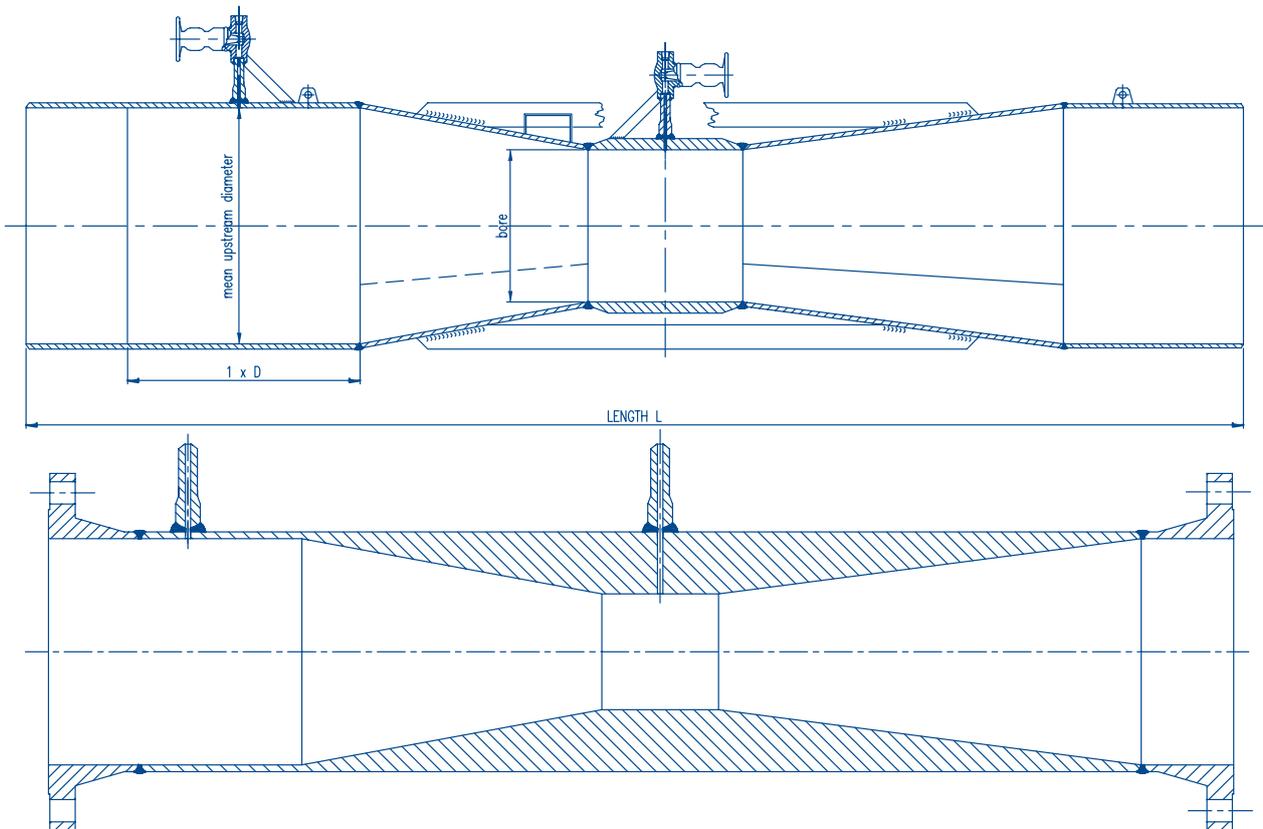
Type B venturies can be machined by us over the inlet and outlet sections in the whole range of ISO 5167. Type C venturies are normally made out of machined throat section and sheet steel inlet and outlet cone-sections. The throat section can be honed to achieve a smoother surface roughness. Type C venturies are reinforced with stiffeners and supplied with lifting lugs.

## ORDERING DATA

- DESIGN CODES** • ISO 5167, ASME, BS, DIN 1952
- LINE CONNECTIONS** • BW • Flanged
- TYPE** • Type A, B, C
- TAPPING SETS** • Single • Double
- PROCESS CONNECTIONS** • welding nipples threaded / SW, bosses, flanged

**MATERIALS** • A105N / A350LF2 / A182-F5, F11, F22, F91 / C21 • A516 Gr. 60,65,70 • A182-F51 / A182-F91  
• 1.4462 / UNS S32760 (super duplex) • A312-TP304(L), A312-TP316(L)/Ti, A312-TP321

**OPTIONAL** • Inspection by any 3<sup>rd</sup> party inspection authority  
• Strength and bore calculations • Calibration on special request



EUROPE  
Minervum 7238  
4817 ZJ Breda  
The Netherlands

Phone +31(0)88 11 67 600  
Email: info@denholder.com

den holder   
www.denholder.com

MIDDLE EAST  
P.O. Box 3949  
Abu Dhabi  
United Arab Emirates  
Phone +971 24 493 841  
Fax +971 24 493 824  
Email: info@denholder.ae