



ZÜLLIG

New!

Züllig Venturi Nozzle ZVD

Requirements

Into an existing sewer inspection pipe there has to be installed an accurate flow measurement.

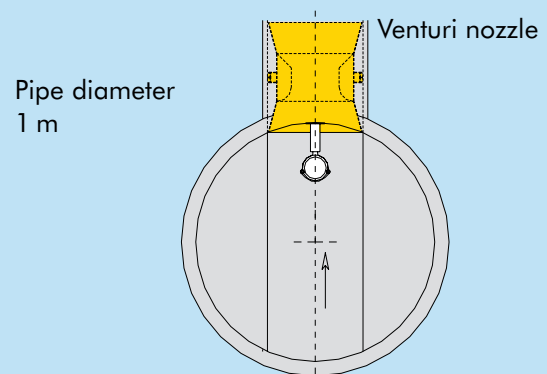
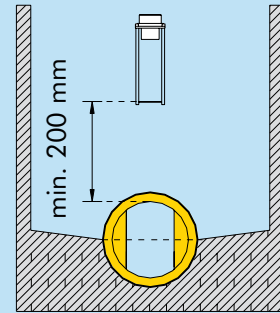
Advantages of the new venturi nozzle

- available for all diameters over 150 mm
- can be easily retrofitted to an existing sewer inspection pipe
- incline independent up to 5 %
- obstructions upstream do not affect the accuracy
- material: stainless steel 1.4301/ 1.4435
- can be used in any shape of pipe
- easy mounting, only two screws required
- accurate measuring even if the venturi is completely submerged
- Sensor: Ultrasonic with ± 1 mm accuracy



Inspection chamber with venturi nozzle and ultrasonic reference probe

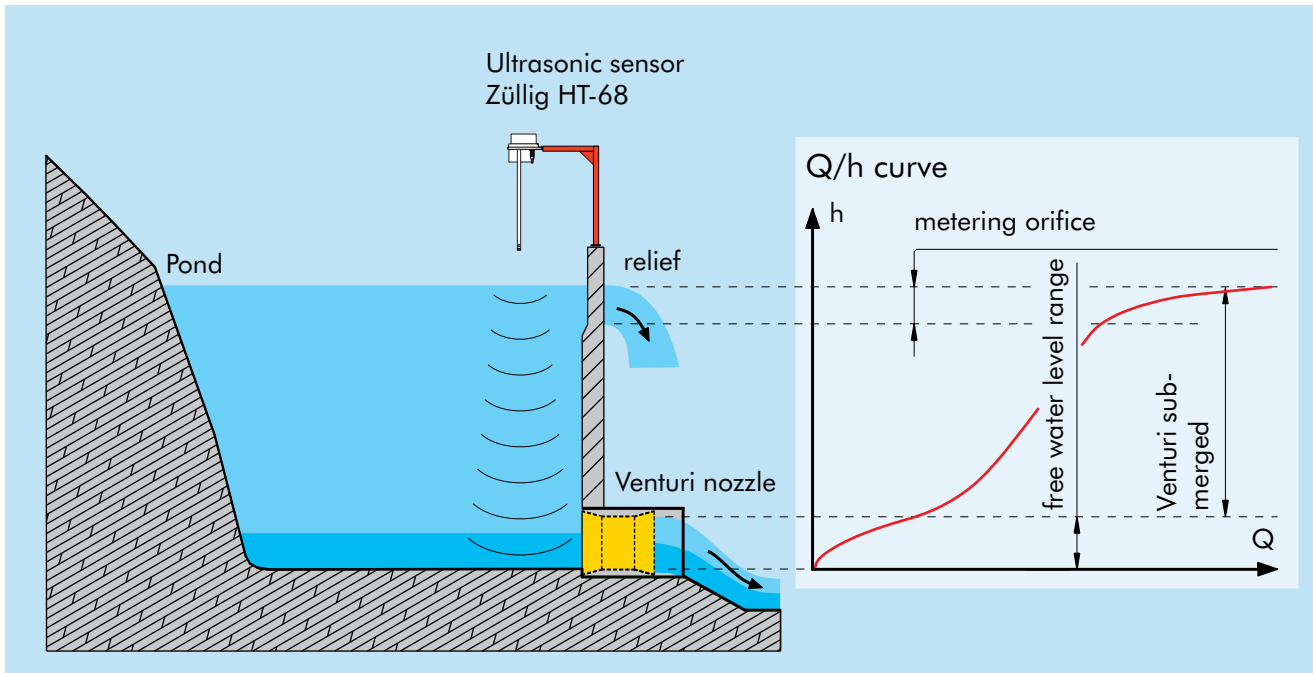
Ultrasonic reference sensor Züllig HT-68



Venturi nozzle 400 mm Installation



Venturi nozzle installed in pipe



Application in case of a submerged venturi nozzle

Venturi nozzle

The venturi nozzle is a hydraulic measuring element for precise flow measurement. With an insertable short venturi it is possible to detect lowest quantities of flow by measuring the flow height. On the other hand the flow can also be measured when the venturi nozzle is completely submerged. (Completely filled pipe).

Venturi tube Pipe diameter mm	Capacity Qmax. L/s	at 1m overflow Qmax. L/s
150	8	45
200	17	79
250	29	130
300	47	190
350	69	260
400	96	375
450	129	500
500	152	540

Flow rates for standard diameter

Subject to technical changes



Headquarter in Switzerland:
Züllig AG
Measuring and control equipment
for the water industry
CH-9424 Rheineck/Switzerland
Phone +4171/ 886 91 11
Telefax +4171/ 886 91 66

Züllig (Germany) GmbH
Moselstrasse 27
D-63452 Hanau

Offices:
Dresden, München, Osnabrück,
Stuttgart