



Datasheet QB05-SWC

Sensor Wafer Cell

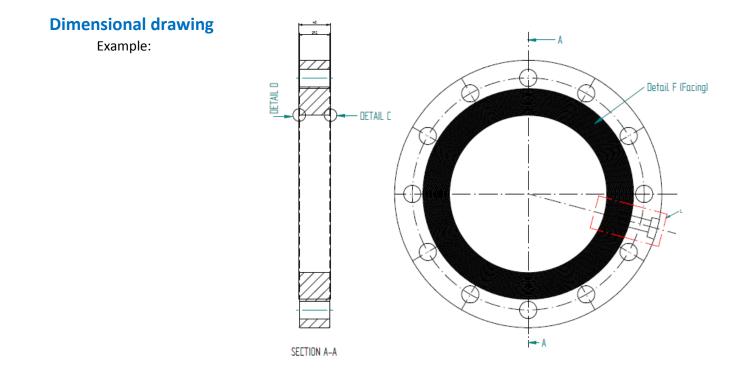
Principle	Acoustic impedance, speed of sound, attenuation
Description	 Model SWC is designed to avoid intruding single ultrasonic sensors in dangerous liquids as well as reducing risks for leakages. Instead, the wafer cell is the sensor! Non-contact sensors like this behave like a part of the pipe and nothing stick to this. Depending on the liquid or slurry, various materials can be used, like PEEK, PP, PVDF, C-PVC, SS304, SS316, Hastelloy-C as well. Additionally, more ports can be made in the spool, like for flow meter, temperature, pressure and conductivity.
Features	 Non-contact sensors Leakage free No O-rings High pressure ratings possible, up to 1200 bar Easy installation Various materials
Specification	 DN40 minimum Temperature range: 0-55°C or 0-110°C With fixed (see picture) or separate transmitter
Connectivity	Coaxial cable to transmitter, max 3 meter
Mounting	 Between two flanges in pipe. Length 45-60 mm Sensor at 3pm o'clock in horizontal lines After 7xD of last obstruction and after 5xD before next obstruction
Engineering specifications	Make: Arenal PCS BV, The Netherlands Sensor Wafer Cell - One or two ports for QP017-UDP-WCP - (SS316 Tagplate with) laser engraving The wafer cell shall be mounted between two flanges of the pipe - Material : <to arenal="" be="" by="" filled="" in=""> - Nominal Diameter: >ND50 (NPS= 2") - Pressure Norm: <to be="" by="" customer="" filled="" in=""> - Length: 45-60 mm <to arenal="" be="" by="" filled="" in=""> - Weight: <to arenal="" be="" by="" filled="" in=""></to></to></to></to>

All wafer cell probes are made according to a customer approved drawing.

Product variations

QB05A-SWC-B-C-D-E

- A the amount of measuring ports, between 1..4. Example: A=1: One measuring port
- B Nominal diameter, between DN50...DN2000. Example: B=ND0150 (equals to 6")
- C Pressure Norm, between 6...600 bar. Example: C=PN16 (equals 150#)
- D Material of the liquid contact. Example: D=SS316
- E Extra information, like ceramic coating





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