

RWV15 & RWT15 Ultrasonic Level & Flow Transducers

The new RW Series ultrasonic transducers have been designed to be compatible with the full range of Hycontrol ultrasonic controllers from the simple low cost Microflex through to Scanflex multipoint scanning systems. This rationalisation reduces cost and its superior performance enables it to replace the older style RZ and RX transducers with a single product for applications up to a maximum range of 20m.

ATEX approval for encapsulated devices Ex II 2 GD for use in gas zones 1 and 2 and with combustible dusts. Submersible to IP68 the RW Series is safe to mount in virtually all corrosive applications where Ultrasonics can be used. Integral temperature compensation eliminates the need for additional separate temperature probes.

With its PVDF body and face material the RW Series eliminates the need for bonded Teflon faces and gives excellent corrosion resistance. With a range of integral ANSI and DIN flange options the RW Series is suitable for use on most corrosive process liquids, slurries and solids. A maximum of 300m separation is possible between transducer and controller depending on controller model.



TECHNICAL SPECIFICATION

Model : RWV15 Non temperature compensated

Model : RWT15 Temperature compensated

Minimum measuring range: 0.3m

Maximum measuring range: 20m

Beam angle: 12 degrees @ -3dB

Frequency: 41.5 KHz

Body material: Solef 6008 (PVDF)

Face material: Solef 6008 (PVDF)

Temperature compensation: Optional Integral

Temperature range: - 40° to + 90°C

Temperature range: - 40° to + 60°C ATEX

Pressure range: Atmospheric

Environmental protection: IP68

Cable: Integral 10m x 6mm 2 core & screen

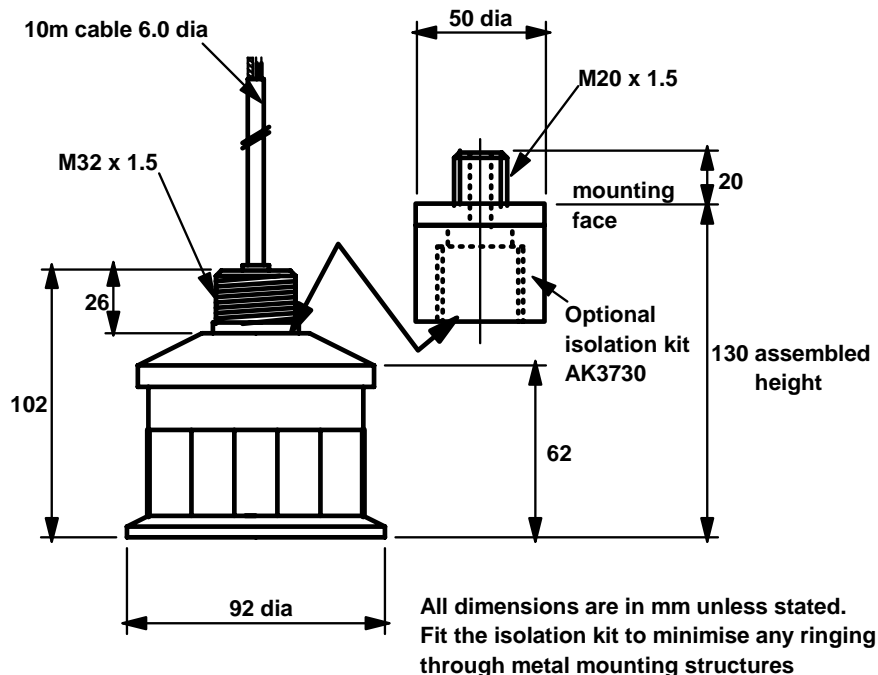
Hazardous area approval: ATEX Ex II 2GD

Protection type: EEx m II T6

CE Certification: KEMA 04ATEX1124X

Standard mounting: M20 x 1.5mm

Optional mounting: ANSI and DIN Flanges



| Model | Description | Kgs | Model | Description | Kgs |
|---------|--|-----|-----------|--|-----|
| RWV15 | Standard non compensated | 0.6 | RWT15F4 | Temperature compensated 4" ANSI flange | 2.0 |
| RWT15 | Temperature compensated | 0.6 | RWV15F80 | Non compensated DN80 flange | 1.6 |
| RWV15F3 | Non compensated 3" ANSI flange | 1.6 | RWT15F80 | Temperature compensated DN80 flange | 1.6 |
| RWT15F3 | Temperature compensated 3" ANSI flange | 1.6 | RWV15F100 | Non compensated DN100 flange | 2.0 |
| RWV15F4 | Non compensated 4" ANSI flange | 2.0 | RWT15F100 | Temperature compensated DN100 flange | 2.0 |