

RYV15 & RYT15 Ultrasonic Level & Flow Transducers

The new RY 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.

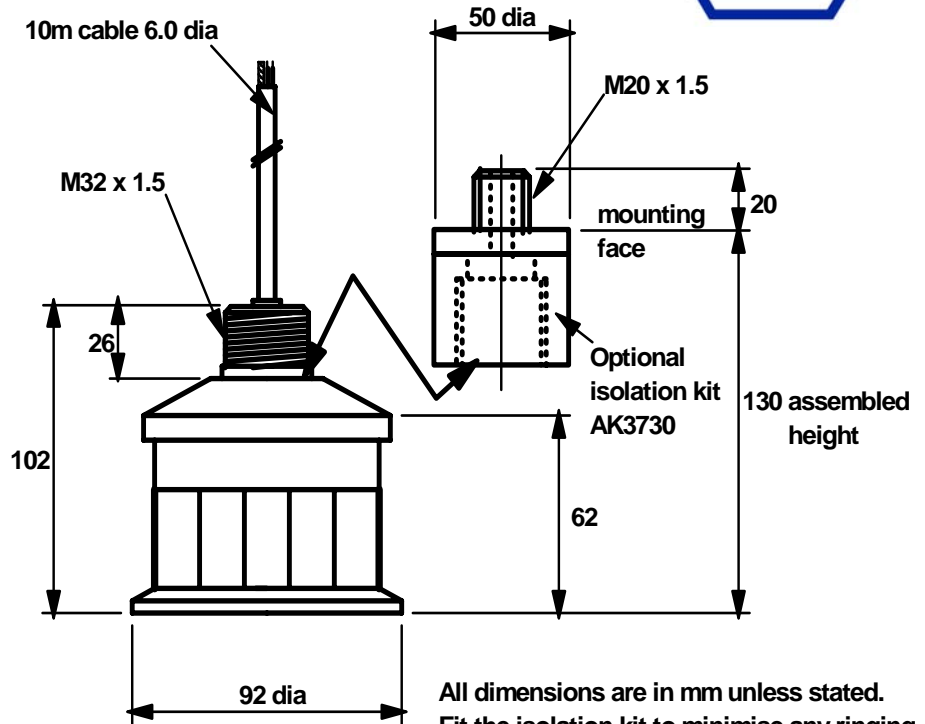
ATEX approval for encapsulated devices Ex II 2 GD for use in gas zones 1 and 2 and with combustible dusts. Submersible to IP68 the RY Series is safe to mount in virtually all non-corrosive applications where Ultrasonics can be used. Integral temperature compensation eliminates the need for additional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

With its PVDF body and Syntactic face material and a range of integral ANSI and DIN flange options the RY Series is suitable for use on most process liquids, slurries and solids. A maximum of 300m separation is possible between transducer and controller depending on controller model.



TECHNICAL SPECIFICATION

Model : RYV15 Non temperature compensated
 Model : RYT15 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: Syntactic reinforced epoxy
 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



All dimensions are in mm unless stated.
 Fit the isolation kit to minimise any ringing through metal mounting structures

Model	Description	Kgs	Model	Description	Kgs
RYV15	Standard non compensated	0.6	RYV15F4	Non compensated 4" ANSI flange	2.0
RYT15	Temperature compensated	0.6	RYT15F4	Temperature compensated 4" ANSI flange	2.0
RYV15P	Non compensated foam face	0.7	RYV15F80	Non compensated DN80 flange	1.6
RYT15P	Temperature compensated foam face	0.7	RYT15F80	Temperature compensated DN80 flange	1.6
RYV15F3	Non compensated 3" ANSI flange	1.6	RYV15F100	Non compensated DN100 flange	2.0
RYT15F3	Temperature compensated 3" ANSI flange	1.6	RYT15F100	Temperature compensated DN100 flange	2.0