

AH23-60079-R

ACOUSTIC TELEPHONE BOOTH



DS-045 Issue 01

Thank you for your interest in Zitel - we are a UK based manufacturer of PAGA and Intercom products. The AH23 - 60079-R is an acoustic booth designed for specifically for use on refineries, off shore platforms, drilling installations and other industrial locations. The R type AH23 features stainless steel liner combined with rock wool mineral fibre acoustic membrane. The unit is safe for location in a potentially explosive atmosphere and features compliance with the electrostatic discharge requirements of clause 26.13 EN 60079-0.

AH23-60079-R ACOUSTIC TELEPHONE BOOTH

Rot proof construction – Minimal Maintenance

Compliance with clause 26.13, IEC/EN 60079-0 - eliminates possible dangers of electrostatic ignition in a hazardous area.

Highly visible self-coloured gel coat – Rapid Location in emergency

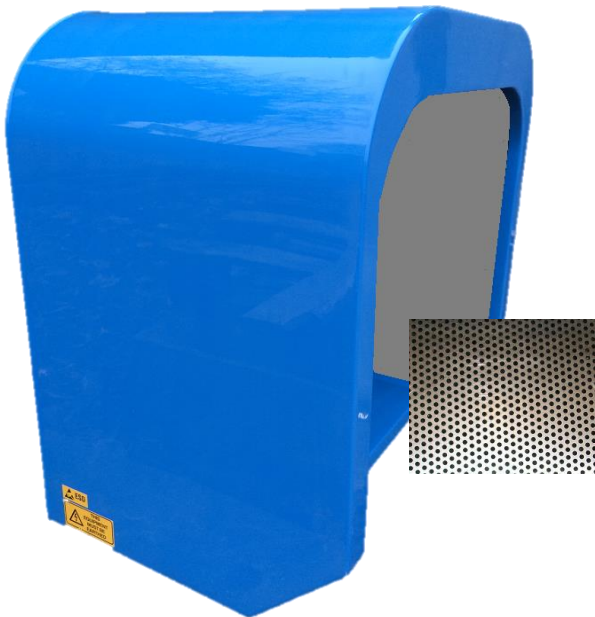
Light weight – Simple installation and provides intelligible communications in noisy areas

Zitel AH23-60079-R high performance *silent zone* acoustic booths enable effective two way speech communications in high ambient noise locations and are specifically designed to provide reliable service with minimal maintenance in aggressive climatic and environmental conditions. The unit features a mineral wool liner that enables extremely high signal to ambient noise ratio whilst ensuring excellent fire retardant characteristics [survives temperatures up to 1000 degrees centigrade] combined with stable operation in environmental extremes.

The liner membrane comprises of perforated stainless steel panels with rock wool insulation material which provide excellent ambient noise rejection in the speech interference band between 400 Hz and 2400 Hz up to 23dBA.

Corrosion proof construction and quality build ensure performance in applications including offshore installations, Refineries, Chemical plants and any industrial site where ambient noise inhibits efficient communications.

The AH23-60079-R is manufactured from rigid fire retardant glass re-enforced polyester fibre GRP to class 0 BS476 and is totally rot proof and unaffected by ultra violet (UV) light. The unit requires no



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routine maintenance (unlike metallic enclosures which require costly through life service) and the light weight construction enables simple easy installation. A range of colour options are available which are embedded into the shell of the booth during manufacture ensuring that the colour is stable throughout the life of the product.

Options include

- Prewired installation/testing of a telephone/intercom, beacon/sounders devices
- Safe or ATEX certified lighting



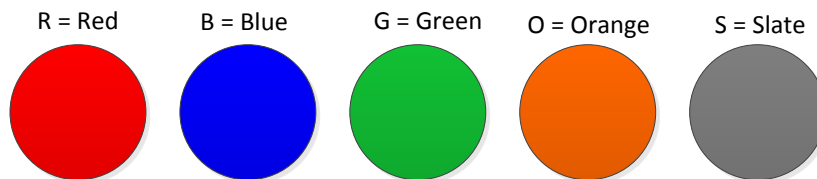
The AH23 – 60079-R Acoustic Hood base design incorporates fail safe measures to guarantee safety in potentially explosive atmospheres; in particular the hazard presented by electrostatic discharge risk.

Technical Specification	
Noise Attenuation	Better than -23dBA
Weight	25 kg
Height	825mm
Width	800mm
Depth	550mm
Ambient Temperature range	-50°C to +100°C
Humidity	Up to 100%
Maximum load weight	22kg
Material	Glass reinforced polyester + stainless steel
Field cable penetrations	Uncommitted
Colour	Standard colour is yellow



The hood liner features a perforated stainless steel retainer, each hole acting as Helmholtz resonator which dissipates acoustic energy. A rock wool mat fitted behind the liner provides ultimate sound absorption.

Supplied in Yellow as standard. For other colours, add the following suffix:



(Other RAL Colours Available)

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