

AH24-P

ACOUSTIC TELEPHONE BOOTH



DS-324 Issue 01

Thank you for your interest in Zitel - we are a UK based manufacturer of PAGA and Intercom products. The AH24 -P is an acoustic booth designed for specifically for use on refineries, off shore platforms, drilling installations and other industrial locations. The P type AH24 features perforated light weight polypropylene liner combined with rock wool mineral fibre acoustic membrane. The unit can be supplied with pre wired accessories including internal light fitting, telephone instrument and sounder / beacon signaling combination.

AH24-P ACOUSTIC TELEPHONE BOOTH

Rot proof construction – Minimal Maintenance

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

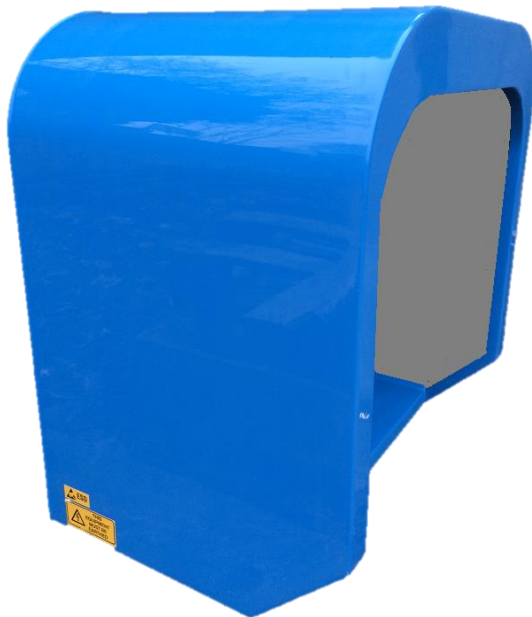
Light weight – Simple installation

Excellent acoustic performance - Provides intelligible communications in noisy areas

AH24-P is part of the Zitel AH acoustic hood range which includes AH2, AH23, AH24, AH26 and variants available to comply with EN60079.

AH24-P 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 propylene panels with rock wool insulation material which provide ambient noise rejection in the speech interference band between 400 Hz and 2400 Hz up to 24dBA.

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 AH24-P 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 routine maintenance (unlike metallic enclosures which



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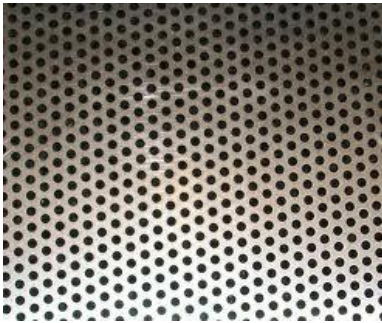
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require costly through life service) and the light weight construction enables simple easy installation. A range of colour options are available which are embedded into the shell of the booth during manufacture ensuring that the colour is stable throughout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

Options include

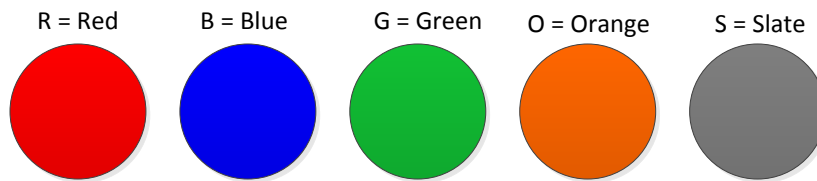
- Prewired installation/testing of a telephone/intercom, beacon/sounders devices
- Safe or ATEX certified internal lighting

Technical Specification	
Noise Attenuation	Better than -24dBA
Weight	22 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 + rock wool liner
Field cable penetrations	Uncommitted
Colour	Standard colour is yellow



The hood liner features a perforated polypropylene 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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