

**SERIES 842****PNEUMATIC AUDIBLE ALARM HORNS****MANUFACTURED IN THE E.U.**

For use with HNL's single and multi-point annunciators or any application where a pneumatic audible alarm is required.

- **CHOICE OF 5 FREQUENCIES**
- **118 dB(A) OUTPUT**
- **READILY AVAILABLE**

The Series 842 Air Horn uses a vibrating brass diaphragm together with a thermoplastic (or die-cast aluminium) trumpet to provide a sound output of 118dB(A) at 1 metre from the horn. Sound levels fall by 6dB(A) each time the distance from the horn doubles (e.g. 112dB(A) @ 2m, 106dB(A) @ 4m, etc).

Different frequencies are available enabling different alarms to be identified by its own unique sound. Alternatively a two tone effect can be achieved by alternating between two different horns, using HNL's horn modulator DS1054.

The air horns are operated from a 0.5 to 1.5 bar pressure supply with air consumption of typically 15 to 30 NI/min. Higher pressures can also be used if the supply is restricted. For operation with a 1.5 to 4 bar supply a 2mm diameter restriction should be fitted, for operation with a 4 to 10 bar supply a 1mm diameter restriction should be fitted.

Multiple horns may be used from a single supply to give a wider sound spread. Two horns used in this way will increase the sound output to 121dB(A) at 1 metre. A restrictor should be fitted in the supply of each horn to ensure that in the event of one horn being damaged the supply pressure to the other(s) will not be affected.

Pneumatic connections are available for 6mm or 1/4" metal, nylon or plastic tubing. In addition connections are available for PVC covered copper tube.

The horns are designed for site mounting; the trumpet should be tilted downwards to prevent dust or water ingress. They can be mounted inside an enclosure provided that venting is sufficient to prevent pressure build up within the enclosure. The end of the horn should not be obstructed (minimum clearance of 25mm).

The sound output of the air horns is high so care should be taken to prevent possible aural damage of operators and other personnel.

**QUALITY ASSURANCE**

Designed and manufactured by HNL in accordance with BS EN ISO 9001:2000.

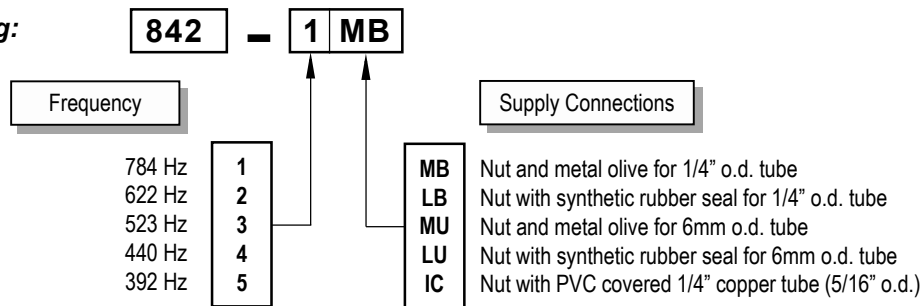


<b>Materials 842-1, 842-2, 842-3 and 842-4</b>	
Trumpet:	ABS Plastic
Paint Finish:	N/A
Base and Diaphragm Mounting:	Thermoplastic & zinc plated steel
Diaphragm:	Brass
Rear Cover:	Polyethylene
Pneumatic Connection:	Brass
Mounting:	M6 x 12 stud fitted with nut and washer

<b>Materials 842-5</b>	
Trumpet:	Die-cast aluminium alloy (Mg content 0.3% maximum)
Paint Finish:	Epoxy hardened stoved enamel
Base and Diaphragm Mounting:	Zinc plated steel
Diaphragm:	Brass
Rear Cover:	Polyethylene
Pneumatic Connection:	Brass
Mounting:	M8 x 12 stud fitted with nut and washer

<b>842 TECHNICAL SPECIFICATION</b>			
TYPE NUMBER	FREQUENCY Hz	LENGTH mm	DIAMETER mm
<b>842-1</b>	784	160	80
<b>842-2</b>	622	210	80
<b>842-3</b>	523	280	80
<b>842-4</b>	440	310	80
<b>842-5</b>	392	335	90

**Coding:**



**Instruments & Controls**

Pressure, DP and Temperature Switches & Transmitters. Rotary and linear positioners. Flow regulators & Bubblers. Control Systems.

**Precision Machining**

Turning, Milling, Drilling, Tapping, Sawing, Welding, Painting, Anodising. From small to large batch sizes in a wide range of materials.

**Manifolds & Valves**

Wide range of distribution manifolds in both anodised aluminium and stainless steel. Stainless steel ball valves.

The information contained in this data sheet may be changed without notice.