

BALL VIBRATORS 'JM' SERIES



General Information

Minimum operating pressure 2 bar (30psi).

Max working pressure 6 bar (90psi).

- Warning - exceeding the maximum working pressure of 6 bar, will result in faults or destruction of the vibrator.

Noise level from 75 – 95 dBA.

- It is imperative that the silencer is cleaned on a regular basis as a back pressure maybe created within the internal working of the vibrator and cause malfunction.

Medium – Compressed Air & Nitrogen.

Ambient temperature shall not exceed 100°C (220°F).

Installation

Mounting must always be done on a solid, clean and even surface. If mounting surface has any welding joints they must be of adequate strength.

- Make sure that the air pressure is turned off before installing and before any maintenance of the vibrator.
- The air should be clean, filtered and lubricated to ensure long life of the product, ISO VG 15 lubricant is recommended or any other suitable oil with a viscosity of 15 cST/40°C.

The Vibrators are suitable for indoor and outdoor applications.

- When fitting in an outside environment please ensure that the exhaust ports are ported / piped in a downward position to avoid any water ingress.

Always ensure that there is a silencer fitted to the exhaust port.

- Check exhaust ports and silencers regularly to avoid any dirt blocking the exhaust ports, if this is not carried out regularly this will lead to failure of the product.
- It is advisable to use a thread lock (LOCTITE 270) when fixing any fittings or mounting screws to the vibrator, and the use of anti vibration nuts & washers.
- Allen screws must be used when mounting the vibrator, the use of slotted screws must be avoided. The torque when tightening must not exceed the following values.
- The vibrators must be ported correctly by using the arrow as a guide, the inlet port is the smaller hole marked with the arrow.

Ref Numbers	Thread	Tightening Torque	
		Min.	Max.
JM8 & JM10	M6	6 Nm	10 Nm
JM13, JM16, JM20 & JM25	M8	15 Nm	21 Nm
JM30 & JM36	M10	30 Nm	42 Nm

Safety

- Regular checks on all fixings and connections to ensure that they have not worked loose.
- Always wear ear protection when in the vicinity of the working vibrators.
- Always fit a silencer to the exhaust port.