

# ACCESSORIES BALL VIBRATORS 'JM' SERIES



## General Information

- 1 Minimum operating pressure 2 bar (30psi).
- 2 Max working pressure 6 bar (90psi).
  - Warning - exceeding the maximum working pressure of 6 bar, will result in faults or destruction of the vibrator.
- 3 Noise level from 75 – 95 dBA.
  - It is imperative that the silencer is cleaned on a regular basis as a back pressure may be created within the internal working of the vibrator and cause malfunction.
- 4 Medium – Compressed Air & Nitrogen.
- 5 Ambient temperature shall not exceed 100°C (220°F).

## Installation

- 1 Mounting must always be conducted 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.
- 2 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.
- 3 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.
  - The vibrators must be ported correctly by using the arrow as a guide, the inlet port is the smaller hole marked with the arrow.
  - 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;

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

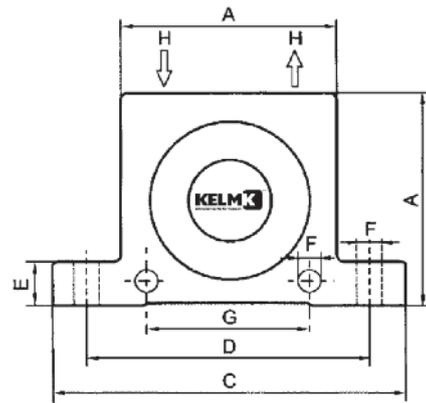
- Regularly check all fixings and connections to ensure that they have not worked loose.
- Always wear ear protection when in the vicinity of the working vibrators.
- Always fit a silencer to the exhaust port.

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## Performance Data

Model	Frequency V.P.M.			Centrifugal Force Measured			Air Consumption/Minute		
	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa
				N	N	N	Ltr.	Ltr.	Ltr.
JM8	25510	31100	35100	132	249	355	85	150	190
JM10	22510	28100	34100	245	468	715	95	155	210
JM13	15100	18500	22510	32	56	875	95	160	230
JM16	13100	17100	19510	455	81	1110	125	210	285
JM20	10510	14510	16510	715	1200	1750	135	235	335
JM25	9210	12210	14100	925	1580	2100	165	295	420
JM30	7810	9710	12510	1520	2480	3250	220	980	545
JM36	7310	9100	10100	2050	3135	4100	265	480	678



## Dimensions

Model	A (mm)	Width (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G Thread	H Thread	Weight Kg
JM8	50	20	86	68	12	7	40	G1/4"	0.135
JM10									0.135
JM13	65	29	113	90	16	9	50	G1/4"	0.265
JM16									0.305
JM20	80	39	128	104	16	9	60	G1/4"	0.540
JM25									0.640
JM30	100	50	160	130	20	11	80	G1/4"	1.140
JM36									1.350