

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 N	0.4Mpa N	0.6Mpa N	0.2Mpa Ltr.	0.4Mpa Ltr.	0.6Mpa Ltr.
JMT8	35850	43000	45900	980	2100	2950	48	75	152
JMT10	26950	34800	37600	850	1400	2450			
JMT13	25950	30050	39800	1450	2450	3700	125	210	280
JMT16	16950	21800	24100	1250	2100	3150			
JMT20	16950	19800	23100	2180	4050	5500	188	315	465
JMT25	11980	15600	17100	2150	3550	5600			
JMT30	12990	14040	16100	3400	5450	7550	335	520	755
JMT36	7990	10100	13000	3300	5380	7180			

Dimensions

Model	A (mm)	Width (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G Thread	H Thread	Weight Kg
JMT8	50	34	86	68	12	7	G1/8"	G1/8"	0.256
JMT10									0.265
JMT13	65	42	113	90	16	9	G1/4"	G1/4"	0.582
JMT16									0.615
JMT20	80	56	128	104	16	9	G1/4"	G1/4"	1.121
JMT25									1.205
JMT30	100	72	160	130	20	11	G3/8"	G3/8"	2.320
JMT36									2.540

