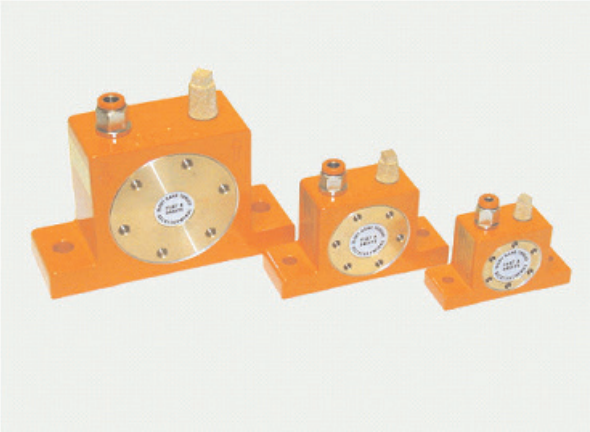
DataSheet

Pneumatic Roller Rotary Vibrator

ProSpare

The DAR model pneumatic roller vibrator compliments our existing range of roller vibrators particularly for heavy duty applications. The design features provide a more robust vibrator, suitable for use under the most arduous conditions.



The body is machined from an extruded aluminium section, inside of which a precision iron roller rotates in high tensile steel races. It is retained by two high impact special bronze end plates.

To obtain the best performance it is recommended that silencers of sintered bronze should be used to improve exhausting.

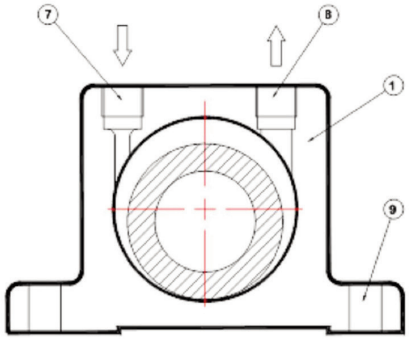
An air line filter and lubricator must be used to guarantee a long working life. Hydraulic oil ISO VG5 = 5cSt/40°C must be used, for example SHELL Tellus Oil R5.

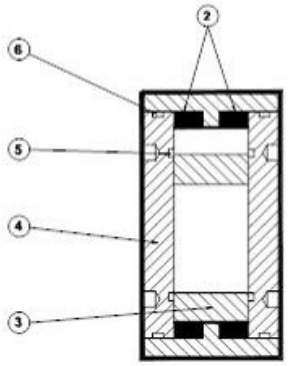
Maximum temperature	200°C = 400°F.
Noise level range	75 to 100dBA.

Model DAR high frequency pneumatic roller vibrators provide a new approach in the movement of fine materials. Being pneumatically powered, the frequency can be controlled by the regulation of air pressure.
Examples of their uses include:

Compaction of plastic and concrete moulds
Assisting the flow of material from chutes and hoppers
Separation of various sizes of material on screens

On request can be supplied with ATEX certification
to **ATEX 95 95/9/EC** Ex **II 2 G & D Zone 2 & 22**

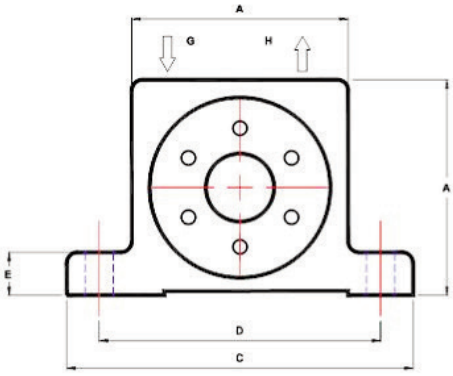


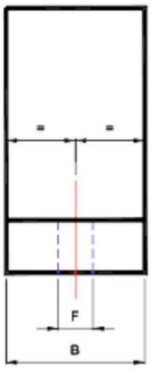


1. Extruded aluminium body
2. High tensile steel races
3. Cast iron roller
4. Special bronze endplates
5. Oiler grooves
6. Impurities collection grooves
7. Air inlet
8. Air exhaust
9. Base mounting holes

PERFORMANCE DATA

Type	Frequency V.P.M.			Centrifugal Force						Air Consumption / Minute					
	2 Bar 29 PSI	4 Bar 58 PSI	6 Bar 87 PSI	2 Bar N	29 PSI lbs	4 Bar N	58 PSI lbs	6 Bar N	87 PSI lbs	2 Bar litr	29 PSI CF	4 Bar litr	58 PSI CF	6 Bar litr	87 PSI CF
DAR 2	36000	36600	38000	2220	500	3380	760	4090	920	70	2.5	140	4.9	200	7.0
DAR 3	27000	36000	32000	2720	612	4560	1026	6050	1361	100	3.5	200	7.0	300	10.6
DAR 4	18000	22500	25000	2360	531	4610	1037	6690	1505	120	4.2	250	8.8	360	12.7
DAR 5	9500	15000	16500	1680	378	4640	1044	7200	1620	130	4.6	270	9.5	390	13.8
DAR 6	7800	10000	12000	4370	983	6860	1544	10300	2317	170	6.0	320	11.3	470	16.6
DAR 7	8000	9800	11500	5870	1320	9500	2137	12000	2700	180	6.4	350	12.4	500	17.7





DIMENSIONS

TYPE	A		B		C		D		E		F		G/H	WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	BSP	KGS	LBS
DAR 2	50	1.97	30	1.18	86	3.38	68	2.68	12	0.47	7	0.27	1/8"	0.370	0.82
DAR 3	65	2.56	36	1.42	113	4.45	90	3.54	16	0.63	9	0.35	1/4"	0.760	1.68
DAR 4	80	3.15	40	1.57	128	5.04	102	4.00	16	0.63	11	0.43	1/4"	1.270	2.80
DAR 5	100	3.94	52	2.05	160	6.30	130	5.12	20	0.79	13	0.51	3/8"	2.450	5.40
DAR 6	120	4.72	62	2.44	194	7.64	152	6.00	24	0.94	17	0.67	3/8"	4.700	10.35
DAR 7	120	4.72	77	3.03	194	7.64	152	6.00	24	0.94	17	0.67	3/8"	5.700	12.55

Data obtained on a heavy laboratory test block. Frequency and force will decrease on a less rigid mount.

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