



DECA VIBRATOR

Division of DECA Products, Inc.

PNEUMATIC LINEAR VIBRATOR WITH EXTERNAL PISTON

Model DOV Series



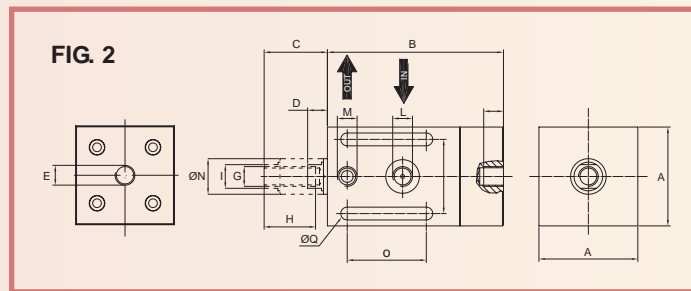
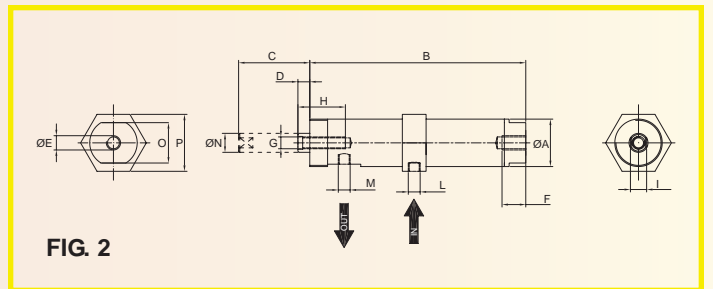
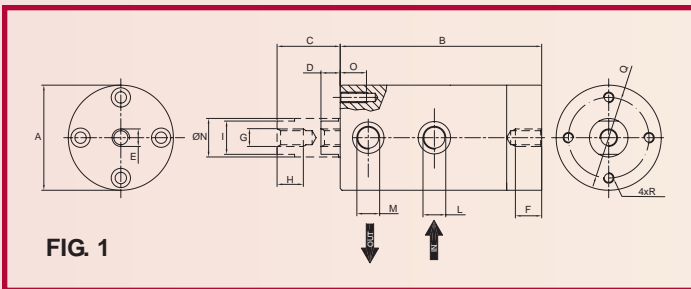
Vibration Technology

DOV Series Vibration Technology

Deca's Pneumatic Linear Vibrators with External Piston are particularly suitable for conveying, compacting and dislodging of bulk solids due to precise linear vibrations. They reach optimum results for emptying bins or as drives for vibrating conveyors or feeders.

Technical Data

Model	2 BAR - 30 PSI								4 BAR - 60 PSI								6 BAR - 90 PSI							
	Vibration		Force		Working Moment		Air Consumption		Vibration		Force		Working Moment		Air Consumption		Vibration		Force		Working Moment		Air Consumption	
	V/min		kg	lb	kgcm	in lb	l/min	Cfm	V/min		kg	lb	kgcm	in lb	l/min	cfm	V/min		kg	lb	kgcm	in lb	l/min	cfm
DOV-8	2020	1.0	2.25	0.04	0.04	7	0.2	2950	2.3	5.17	0.04	0.04	19	0.7	3600	3.5	7.64	0.04	0.04	28	1.0			
DOV-15	2280	4.9	10.8	0.16	0.15	20	0.7	2520	8.0	17.5	0.22	0.19	38	1.3	2820	10	22	0.22	0.19	67	2.4			
DOV-15P	1920	4.4	9.7	0.21	0.18	20	0.7	2160	7.4	16.4	0.29	0.25	42	1.5	2340	8.8	19.3	0.29	0.25	80	2.8			
DOV-18Q*	2070	8.1	17.8	0.34	0.29	29	1.0	2520	12.0	26.4	0.36	0.31	55	1.9	3300	21.7	47.8	0.36	0.31	100	3.5			
DOV-25	1860	9.0	19.8	0.46	0.40	32	1.1	2040	12.9	28.5	0.56	0.48	60	2.1	2220	15.4	33.9	0.56	0.48	105	3.7			
DOV-40	1380	20.9	46.1	1.96	1.70	80	2.8	1560	33.8	74.6	2.49	2.15	190	6.7	1740	42.1	92.8	2.49	2.15	320	11.2			
DOV-85	1680	100.2	221	6.36	5.50	240	8.4	1980	162.4	358	7.42	6.42	390	13.7	2280	215.4	475	7.42	6.42	580	20.4			



Overall Dimensions

Model	FIG.	A		B		C		D		E	F		G		H		I		L	M	ø N		O		P		ø Q		R		Weight		
		mm	in	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg
DOV-8	2	20	0.79	91	3.58	30	1.18	5	0.20	M6	10	0.39	M5	20	0.79	7	0.28	M5	M5	8	0.32	17	0.67	24	0.94	/	/	/	/	/	/	0.09	0.21
DOV-15	1	50	1.97	115	4.53	41	1.61	7	0.28	M10	15	0.59	M10	15	0.59	13	0.51	1/8"	1/8"	15	0.59	12	0.47	/	/	/	/	36	1.42	M6	1.5	3.31	
DOV-15P	1	50	1.97	115	4.53	39	1.54	9	0.35	M10	15	0.59	M10	22	0.87	13	0.51	1/8"	1/8"	16	0.63	/	/	/	/	/	/	/	/	/	0.5	1.10	
DOV-18Q*	3	50	1.97	89	3.50	32	1.26	10	0.39	M10	10	0.39	M10	26	1.02	12	0.47	1/8"	1/8"	18	0.71	40	1.57	37.5	1.48	6.5	0.26	/	0.6	1.32			
DOV-25	1	60	2.36	115	4.53	45	1.77	10	0.39	M10	15	0.59	M10	15	0.59	19	0.75	1/4"	1/4"	22	0.87	15	0.59	/	/	46	1.81	M6	2.3	5.07			
DOV-40	1	85	3.35	140	5.51	57	2.24	13	0.51	M16	17	0.67	M16	20	0.79	36	1.42	1/4"	3/8"	40	1.57	20	0.79	/	/	65	2.56	M8	5.7	12.57			
DOV-85	1	160	6.30	122	4.80	52	2.05	22	0.87	M20	30	1.18	M20	30	1.18	/	/	3/8"	2x3/8"	85	3.35	/	/	/	/	/	/	/	/	/	16.5	36.38	

* This item is special order.

Features & Benefits

- Standard temperature application: from -10° C (14° F) to 150° C (300° F)
- Standard application of DOV-15P: from 0° C (32° F) to 100° C (210° F)
- Explosion-proof and maintenance-free
- Adjustable frequency and amplitude
- Wide oscillations
- Excellent start/stop characteristics
- Starts in any position
- Minimum sound emission
- Low air consumption



7/07

Division of DECA Products, Inc.

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SPECIFICATIONS SUBJECT TO CHANGE