

GT Series Pneumatic Gear Vibrator

High-frequency pneumatic vibration for material flow, conveying and compact industrial equipment



Product Overview

The HOMIPNEU GT Series pneumatic gear vibrator converts compressed-air energy into high-frequency mechanical vibration. The series provides model-dependent vibration force and air-consumption levels for material-flow assistance, hopper and chute discharge, conveying equipment and automated machinery. Its base-mounted housing allows secure installation, while the inlet and outlet arrangement supports straightforward pneumatic connection.

Key Features

- Compressed-air drive eliminates electrical wiring at the vibrator body.
- Wide model range from GT-4 through GT-60 for different vibration requirements.
- Performance data available at 0.2, 0.4 and 0.6 MPa reference pressures.
- Base-mounting design with model-dependent port sizes from 1/8 to 1/2.
- Frequency, vibration force and air consumption can be selected by model and pressure.

Applications

- Hoppers, bins and chutes handling powders, granules and bulk materials.
- Packaging, feeding, screening and conveying machinery.
- Material-flow assistance where bridging, sticking or incomplete discharge occurs.
- Industrial automation equipment requiring compact pneumatic vibration.

Product Function

Compressed air drives the internal rotating mechanism, generating centrifugal vibration through the gear vibrator body. Vibration intensity and operating frequency vary with the selected GT model and supplied air pressure.

Technical Specifications

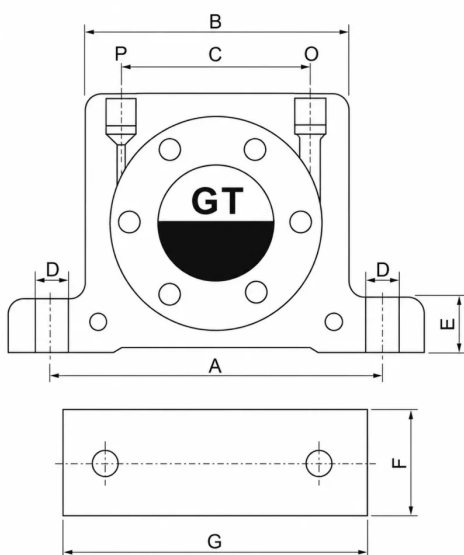
Parameter	Specification
Product Type	Pneumatic gear vibrator
Operating Medium	Compressed air
Reference Pressures	0.2 MPa, 0.4 MPa and 0.6 MPa
Performance Metrics	Frequency, vibration force and air consumption
Model Range	GT-4 to GT-60
Air Port Size	1/8 to 1/2, model-dependent P/O connection
Mounting Method	Base mounting with two fixing holes
Dimensional Units	Dimensions in mm; weight in g

Performance Data

Model	Frequency (V.P.M)			Vibration Force (N)			Air Consumption (L/min)		
	0.2 MPa	0.4 MPa	0.6 MPa	0.2 MPa	0.4 MPa	0.6 MPa	0.2 MPa	0.4 MPa	0.6 MPa
GT-4	19600	21300	24700	130	155	195	30	40	50
GT-6	18700	21000	24000	135	160	200	30	40	50
GT-8	35000	40000	43200	950	1850	2850	48	75	152
GT-10	25750	32800	35000	980	1950	2950	48	75	152
GT-13	22100	24950	30500	1250	2000	3000	125	210	280
GT-16	19200	20800	22100	1350	2200	3150	125	210	280
GT-20	15750	17800	21100	2050	3500	5300	188	315	465
GT-25	13250	15500	19700	2100	3500	5400	188	315	465
GT-30	10900	11700	15500	3100	5200	6850	340	520	760
GT-36	8700	9700	12800	3200	5300	7000	340	520	760
GT-40	-	7750	8680	-	6000	8100	-	680	960
GT-48	-	7580	8470	-	6200	8500	-	680	960
GT-60	-	5200	7350	-	7500	1150	-	900	1350

A dash indicates that the current product page does not publish a value at that pressure point.

Dimension Drawing



Model Selection and Dimensions

Model	A	B	C	D	E	F	G	P/O	Weight (g)
GT-4	56	40	20	6	10	28	70	1/8	280
GT-6	56	40	20	6	10	28	70	1/8	280
GT-8	68	50	28	7	12	35	86	1/8	280
GT-10	68	50	28	7	12	35	86	1/8	280
GT-13	90	65	39	9	16	43	113	1/4	610
GT-16	90	65	39	9	16	43	113	1/4	610
GT-20	104	80	56	9	17	56	128	1/4	1120
GT-25	104	80	56	9	17	56	128	1/4	1120
GT-32	130	100	76	11	21	73	160	3/8	2150
GT-36	130	100	76	11	21	73	160	3/8	2150
GT-40	152	120	85	18	27	80	194	3/8	3530
GT-48	152	120	85	18	27	80	194	3/8	3530
GT-60	195	140	96	21	30	95	240	1/2	5590

All dimensions are in millimetres. Weight values are in grams. P/O indicates the pneumatic port size.

The current product page lists GT-30 in performance data and GT-32 in dimensional data; confirm the required variant before ordering.

Operating and Selection Guidance

- Select the GT model according to the required vibration force, available air pressure and acceptable air consumption.
- Install the vibrator on a rigid, clean and flat mounting surface using correctly sized fasteners.
- Use an adequately sized compressed-air line and maintain stable supply pressure during operation.
- A pressure regulator can be used to adjust vibration intensity within the published operating data.
- Fit suitable air preparation and keep the air line free from excessive moisture, particles and contamination.

Installation Notes

- Depressurize the pneumatic system before mounting, connecting or servicing the vibrator.
- Tighten the mounting bolts evenly and recheck them after initial operation.
- Connect the inlet and outlet according to the product markings and selected port size.
- Use a suitable silencer on the exhaust connection where noise reduction is required.
- Avoid unsupported piping loads or impact forces on the pneumatic connections.

Maintenance and Safety

- Inspect mounting bolts, air tubing and fittings periodically for looseness, leakage or damage.
- Stop operation immediately if abnormal noise, unstable vibration or housing damage is observed.
- Do not exceed the selected system pressure or operate without secure mounting.
- Replace damaged components and verify the installation before returning the unit to service.

Ordering Information

Specify the GT model, required pressure range, port size, quantity and application details. OEM and ODM support is available for product selection, packaging and branding, subject to production confirmation.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com

Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>