

### ◆ Product Parameter

#### Maximum temperature:

100°C = 220°F

#### Noise level range:

75—95dBA

#### Performance:

Housing is composed of anti-rust aluminum, built-in hardened steel raceway, steel ball can roll on it.

Equipped with nylon end caps at both ends of the shell, used to locate the ball and prevent the entry of dust and water, so the machine can work in dusty and humid environment. Inlet and outlet are equipped standard thread, so that the exhaust pipe can be led to ensure exhaust no barrier. In order to meet different installation location, the unit has four mounting holes: two horizontal and two vertical.

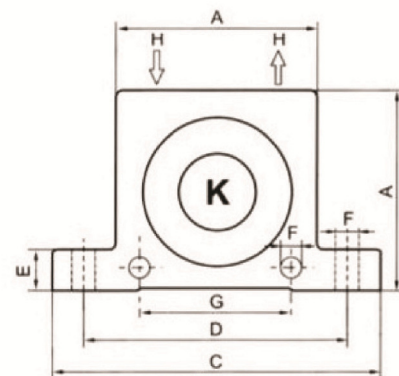
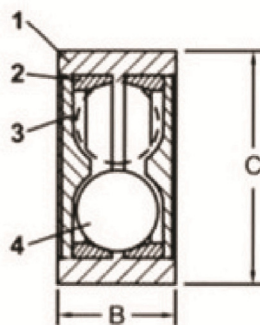
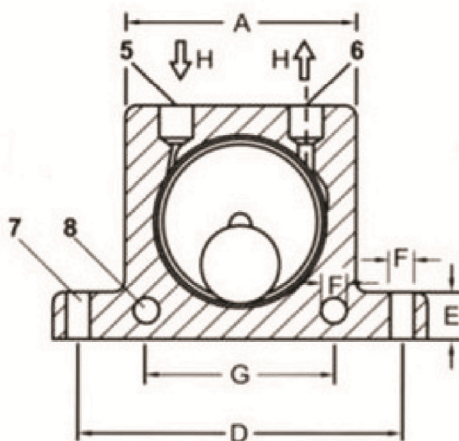
#### Description:

The K series has a rust-proof extruded aluminum housing, interior equipped steel ball running on the heat-treated rails. Either side has nylon base to support steel ball avoiding the invasion of dust and moisture. Therefore, this product is suitable for work in dusty or wet environment. In the inlet and exhaust ports, there are standard pipe thread to ensure smooth exhausting. Equipped with two horizontal and two vertical mounting holes for easy installation in any difficult location.

#### Usage:

K-series pneumatic ball vibrator is small size, its vibration frequency can be controlled by adjusting the air flow, the main uses as following:

- Help transport material from the chute and hopper
- Prevent bottles or similar products jammed or blocked in the conveyor
- Material is compacted in container or mold
- Separate different particle size in separator, screen or filter



## ◆ Product Parameter

### Parameter:

Model	Frequency V.P.M /min			Centrifugal Force			Air Consumption/min		
	0.2	0.4	0.6	0.2MPa	0.4MPa	0.6MPa	0.2MPa	0.4MPa	0.6MPa
	MPa	MPa	MPa	N	N	N	Ltr	Ltr	Ltr
K-08	25.510	31.100	35.100	132	249	355	0.85	1.50	1.90
K-10	22.510	28.100	34.100	245	468	715	0.95	1.55	2.10
K-13	15.100	18.510	22.510	320	560	875	0.95	1.60	2.30
K-16	13.100	17.100	19.510	455	810	1.110	1.25	2.10	2.85
K-20	10.510	14.510	16.510	715	1.200	1.750	1.35	2.35	3.35
K-25	9.210	12.210	14.100	925	1.580	2.100	1.65	2.95	4.20
K-30	7.810	9.710	12.510	1.520	2.480	3.250	2.20	3.80	5.75
K-36	7.310	9.100	10.100	2.050	3.135	4.100	2.65	4.80	67.8

The data is measured from Kistler 3-axis dynamometer in heavy experiment table.

When install poor rigidity, frequency and force value decreases.

The company reserves the right to modify or withdraw any indicator and product without any notices, and therefore does not assume any responsibility.

### Size Table:

Model	A	Width	C	D	E	F	G	H	Weight
	mm	mm	mm	mm	mm	mm	mm	Thread BSP	kg
K-08	50	20	86	68	12	7	40	G1/4"	0.135
K-10		20							0.135
K-13	65	24	113	90	16	9	50	G1/4"	0.265
K-16		27							0.305
K-20	80	33	128	104	16	9	60	G1/4"	0.540
K-25		38							0.640
K-30	100	44	160	130	20	11	80	G3/8"	1.140
K-36		50							1.350

Warning: Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.

### ◆ Product Parameter

**No lubrication, only clean air.**

**Maximum operating temperature: :**

120°C=250°F

**Noise level range(very quiet) :**

60——75dBA

**Description:**

This series combines high-speed processing and eccentric torque to make a strong vibration force. Housing by - extruded aluminum with hardened paint base which can be used in the pharmaceutical industry. GT-turbine vibrator is in line with current international noise regulations.

**Design:**

Rotor by the centrifugal force and negative unbalanced moment to vibrate. The rotor is supported by two high-power, pre-lubricated bearings. Particularly long service life of grease is taken to ensure that the two long service life. Using the bearing inner seat and outer seat design, simply use wrench to replace the bearing, bottom is fixed by left and right thread system, automatically locked.

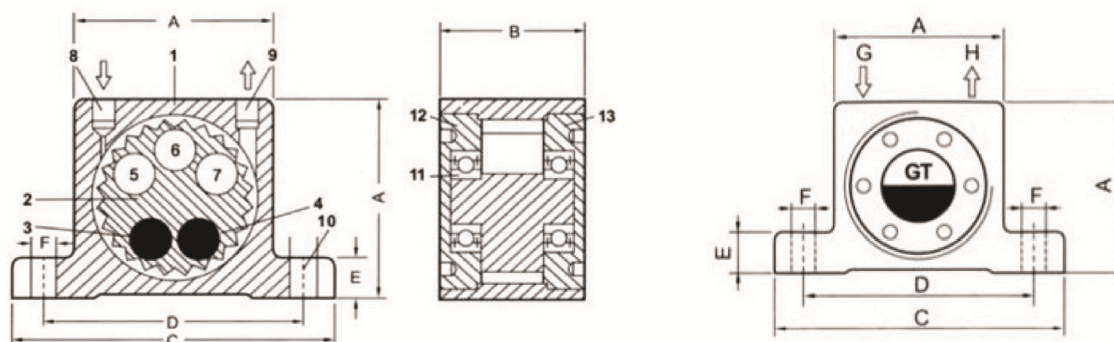


**Parameter:**

Model	Frequency V.P.M /min			Centrifugal Force			Air Consumption/min		
	0.2	0.4	0.6	0.2MPa	0.4MPa	0.6MPa	0.2MPa	0.4MPa	0.6MPa
	MPa	MPa	MPa	N	N	N	Ltr	Ltr	Ltr
GT-04	14.100	15.100	16.100	135	160	200	0.30	0.40	0.50
GT-06	11.500	12.500	13.500	130	165	210			
GT-08	35.850	43.000	45.900	980	2.100	2.950	0.48	0.75	1.52
GT-10	26.950	34.800	37.600	850	1.400	2.450			
GT-13	25.950	30.050	39.800	1.450	2.450	3.700	1.25	2.10	2.80
GT-16	16.950	21.800	24.100	1.250	2.100	3.150			
GT-20	16.950	19.800	23.100	2.180	4.050	5.500	1.88	3.15	4.65
GT-25	11.980	15.600	17.100	2.150	3.550	5.600			
GT-30	12.990	14.010	16.100	3.400	5.450	7.550	3.35	5.20	7.55
GT-36	7.990	10.100	13.000	3.300	5.380	7.180			
GT-40	7.650	8.850	9.550	4.350	7.350	9.850	4.28	6.80	9.60



◆ **Product Parameter**



**Size Table:**

Model	A mm	Width mm	C mm	D mm	E mm	F mm	G Thread BSP	H Thread BSP	Weight	
									kg	Lbs
									0.185	0.45
GT-04	40	28	70	56	10	6	G1/8"	G1/8"	0.185	0.50
GT-06									0.210	0.51
									0.255	0.56
GT-08	50	33	86	68	12	7	G1/8"	G1/8"	0.256	0.66
GT-10									0.265	0.68
									0.566	1.34
GT-13	65	42	113	90	16	9	G1/4"	G1/4"	0.582	1.38
GT-16									0.615	1.45
									1.095	2.50
GT-20	80	56	128	104	16	9	G1/4"	G1/4"	1.121	2.56
GT-25									1.205	2.74
									2.220	4.75
GT-30	100	73	160	130	20	11	G3/8"	G3/8"	2.320	5.20
GT-36									2.540	5.47
									3.680	8.13
GT-40	120	83	194	152	24	17	G3/8"	G3/8"	3.880	8.67
GT-48									4.280	9.55

Warning: Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.



### ◆ Product Parameter

#### Maximum operating temperature:

140°C=280°F

#### Noise level range:

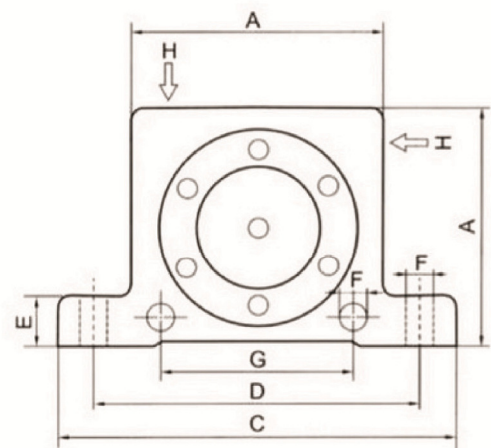
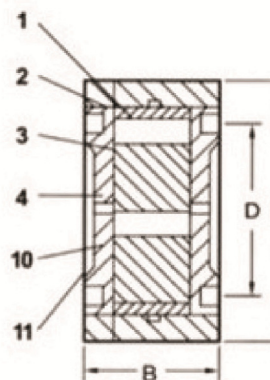
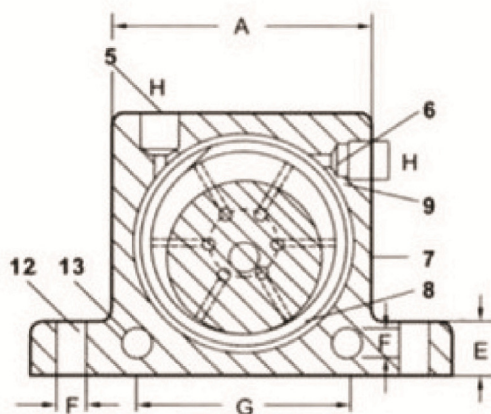
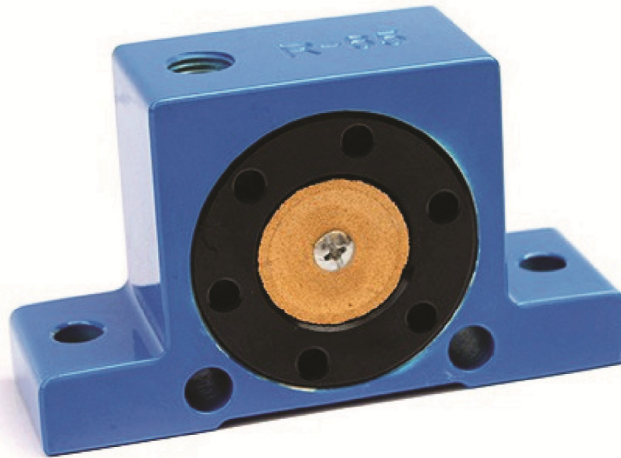
75—100dBA

#### Description:

The R series design is simple but can produce very high vibration force. Housing is formed by extruded aluminum parts, the internal equipped precision steel rollers and supported by two high-impact resistant plastic floor. For the sake of ease of installation, the shell has four mounting holes, that two horizontal and two vertical mounting holes. Air can flow through two holes on the shell. The air inlet has standard pipe thread and closed pipe. Air from the muffler to the installation of impact-resistant plastic plate discharge.

#### Usage:

R-series high-frequency pneumatic roller vibrator applied to the vibration of powder flow, filling and handling. As the pressure transmission, the vibration frequency can be controlled by regulating air pressure. Main purposes for example: the discharge hopper; powder mixing; powder substances delivery; mold plastic and concrete compaction.



◆ **Product Parameter**

**Parameter:**

Model	Frequency V.P.M /min			Centrifugal Force			Air Consumption/min		
	0.2MPa	0.4MPa	0.6MPa	0.2MPa	0.4MPa	0.6MPa	0.2MPa	0.4MPa	0.6MPa
				N	N	N	Ltr	Ltr	Ltr
R-50	25.100	35.100	36.100	1.170	2.950	4.250	1.50	1.48	1.98
R-65	19.100	21.100	26.100	2.750	4.850	6.150	2.10	3.05	4.10
R-80	15.600	18.600	19.100	3.100	6.120	7.400	4.50	4.35	5.75
R-100	11.100	14.100	16.100	3.760	6.700	8.950	5.60	5.55	7.35
R-120	10.100	11.600	12.600	8.100	10.100	12.510	7.35	7.35	9.75

The data is measured from Kistler 3-axis dynamometer in heavy experiment table.

When install poor rigidity, frequency and force value decreases.

The company reserves the right to modify or withdraw any indicator and product without any notices, and therefore does not assume any responsibility.

**Size Table:**

Model	A	Width	C	D	E	F	G	H	Weight	
	mm	mm	mm	mm	mm	mm	mm	Thread BSP	kg	Lbs
R-50	50	29	86	68	12	7	40	G1/8"	0.245	0.55
R-65	62	37	113	90	16	9	50	G1/4"	0.540	1.25
R-80	80	43	128	104	16	9	60	G1/4"	0.955	2.20
R-100	100	52	160	130	20	11	80	G3/8"	1.815	4.10
R-120	120	77	194	152	24	17		G3/8"	4.265	9.45

Warning: Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.

◆ **Product Parameter**



**Description:**

Pneumatic hammer, also known as air percussion hammer(national patent), which is characterized by big impact force, simple structure and easy to use, effectively solving the problems of powder material sticky, hanging, congestion, bridge and so on. Big impact, low noise, a variety of models to choose, impact and action time can be controlled, easy to install and used in the explosion-proof, dust, moisture and other environment. It is widely used in fertilizer, chemical, food, medical care, pesticides, glass, cement and other industries. Aluminum structure, high intensity, single/ impact strength, light weight, adjustable shock interval.

No need to add fuel, environmentally-friendly.

During operation, pneumatic shell knocker does not add any oil. Therefore, there is no leakage problems and suitable for factory work environment.

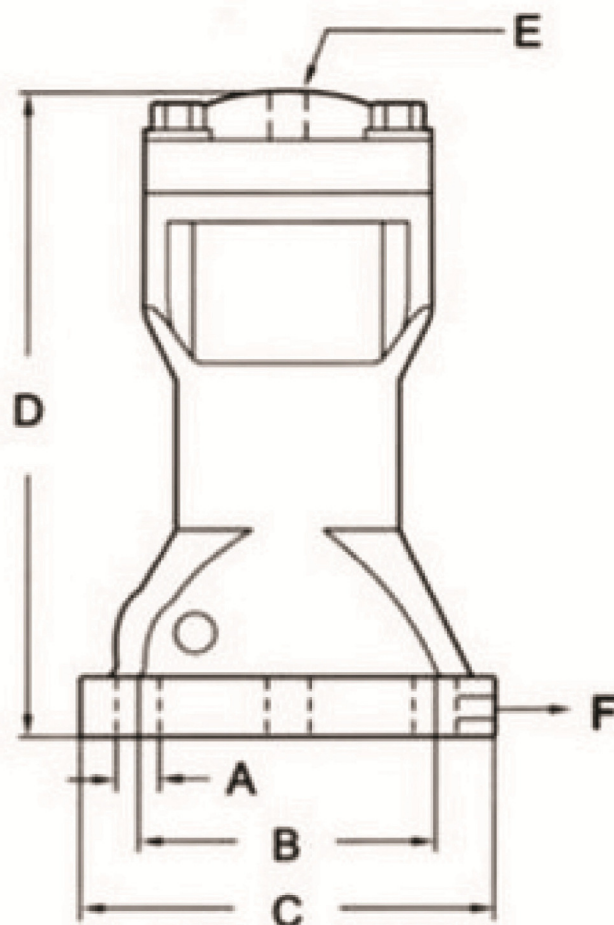
Products using pneumatic supply system, without having to install drip device which can not only reduce costs but also reduce the drop of control equipment maintenance burden, benefit for the customer.

Products are tested through knocking by 100 million times, simple structure and maintenance-free.

High level of durable design and simple construction of basic performance without maintenance, there is no need to keep separate stocks of spare parts. This pneumatic device - Kechuan series are received many praise by customers due to less failure and without maintenance.



◆ **Product Parameter**



**Size Table:**

Size							Parameter			
Model	A	B	C	D	E	F	Pressure MPA	Air Consumption L/time	Impact Energy(N.M)	Weight
SX30	9	67	82	135	1/4"PT	1/8"PT	0.3~0.7	0.05~0.13	5.5~13.1	1.1Kg
SX40	11	77	98	175	1/4"PT	1/8"PT	0.3~0.7	0.15~0.37	9.2~22.3	2.7Kg
SX60	12.5	110	143	220	1/4"PT	1/4"PT	0.3~0.7	0.33~0.77	20.6~49.0	6.0Kg
SX80	17	140	170	275	3/8"PT	3/8"PT	0.4~0.6	0.60~1.40	45.1~109.0	12.5Kg

Warning: Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.

◆ **Product Parameter**



**Feature:**

- 1, installed in any direction.
- 2, throttle valve installed in the pipeline for adjusting frequency.
- 3, easy to use, you can just use a snorkel.
- 4, big vibration force.
- 5, long life.
- 6, made of carbon steel and stainless steel.

**Main purposes:**

Big vibration force, but the noise does not exceed 80dB, to solve the problems of material sticky, blocking and concrete grouting template vibration, stainless steel used in the food and pharmaceutical industries.

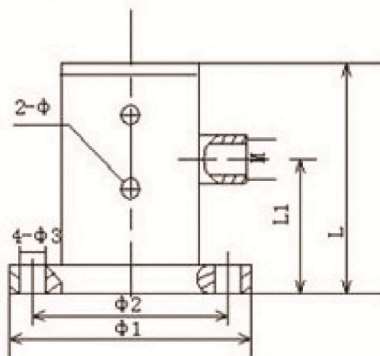
**Structure and principle:**

Open two-way three-tees solenoid valve (normally closed or normally-pass), high-pressure gas into the piston through the inferior vena channel 5 in Figure 1. Push the piston upward, the piston chamber gas is squeezed through the exhaust vent. When the piston up to the end, the gas into the piston chamber by tank and airway automatic reversing. Shown in Figure 2. High gas pressure piston down to the terminal end of the first cycle, second cycle began, followed by continuous cyclical so that the exciter produces translational and shaking, resulting in the vibration force. Area of low pressure is generated at both ends of the piston back pressure, without shocking.

◆ **Product Parameter**

Parameter:

Model	L	Φ 1	Φ 2	Φ 3	Inlet M
FP-32	100	70	58	8	G1/8"
FP-40	130	78	66	8	G1/8"
FP-50	130	88	76	8	G1/8"
FP-63	140	108	94	10	G1/4"
FP-80	140	130	115	10	G1/4"
FP-100	150	154	136	12	G1/4"
FP-125	150	185	166	14	G1/4"
FP-140	170	207	186	14	G1/4"



Size Table:

Model	Vibration Force(N)			Frequency Hz	Air Consumption(l/min)	Noise (dB)	Temperature ℃	Weight(kg)
	0.3Mpa	0.4 Mpa	0.6 Mpa					
FP-32	48.4	72.0	90.0	10-60	210	65	-8~70	1
FP-40	63.2	98.0	115.0	10-50	250	65	-8~70	1.51
FP-50	71.2	105.0	130.0	10-40	270	65	-8~70	2
FP-63	92.3	123.0	190.0	10-30	310	75	-8~70	3.3
FP-80	110.0	192.3	240.0	10-25	330	75	-8~70	5.75
FP-100	138.2	298.7	388.0	10-22	350	75	-8~70	8
FP-125	232.1	983.4	1050.0	10-20	380	75	-8~70	12
FP-140	257.8	1138.0	1380.0	10-18	420	75	-8~70	14

Warning: Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.



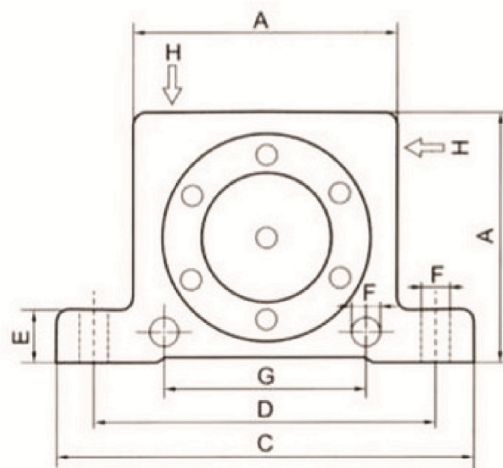
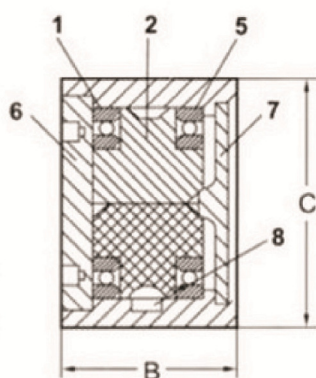
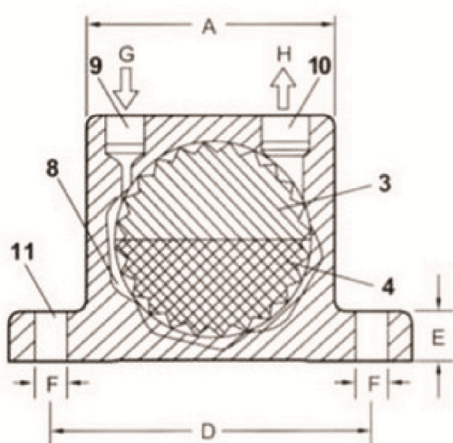
### ◆ Product Parameter



#### Description:

Stainless steel vibrator series combines high-speed processing with the eccentric torque, with strong power of the vibration force. Shell is formed by 304 stainless steel forging, internal turbine and cover by 304 stainless steel so that the vibrator can be safely used in food and pharmaceutical industries. GT turbine vibrator is in line with current international noise regulations. Design by rotor unbalanced centrifugal force to generator vibration. The rotor is supported by two high-power, pre-lubricated with matching retainer SKF bearings. Particularly long service life of grease taken to ensure a long service life. Using the bearing inner seat and outer seat design, simply using spanner to replace bearings. Backplane system is fixed by L and right hand thread and automatically locked. Application: At present, this stainless steel pneumatic vibrators used in complex environment, such as electroplating, chemical, chemical, manufacturing and so on. Because the whole of stainless steel it can also be assured for the food processing, it is worth noting that this stainless steel pneumatic vibrator has strong vibration, the device will produce destructive, so adjust their intake pressure to achieve the right results.

**Warning:** Pneumatic vibrators can damage to device, if excessive vibration force, adjust to proper pressure.



Model	A		Width		C		D		E		F		G*	H*	Weight	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch			kg	Lbs
T-50/LP	50	1.97	46	1.81	86	3.38	68	2.68	12	0.47	7	0.27	1/8"	1/4"	.385	86
T-50/HP	50	1.97	60	2.36	86	3.38	68	2.68	12	0.47	7	0.27	1/8"	1/4"	.520	1.15
T-65/LP	65	2.56	50	1.97	113	4.45	90	3.54	16	0.63	9	0.35	1/4"	1/4"	.735	1.60
T-65/HP	65	2.56	64	2.52	113	4.45	90	3.54	16	0.63	9	0.35	1/4"	1/4"	.975	2.15
T-80/LP	80	3.15	56	2.20	128	5.04	104	4.09	16	0.63	11	0.43	1/4"	3/8"	1.210	2.70
T-80/HP	80	3.15	70	2.75	128	5.04	104	4.09	16	0.63	11	0.43	1/4"	3/8"	1.560	3.45
T-100/HP	100	3.94	67	2.64	160	6.03	130	5.12	20	0.79	13	0.51	3/8"	3/8"	2.270	5.00

### ◆ Product Parameter

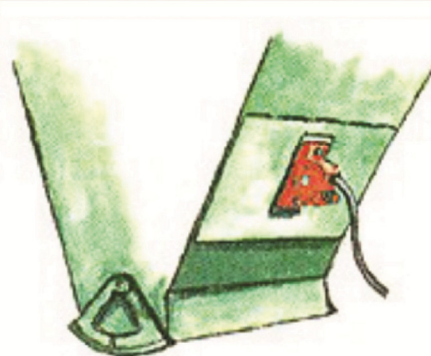
#### PRACTICAL APPLICATION



FOUNDRY INDUSTRY



PIPE



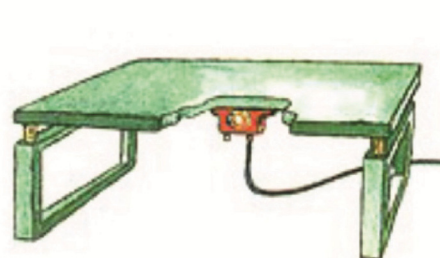
HOPPER FEED



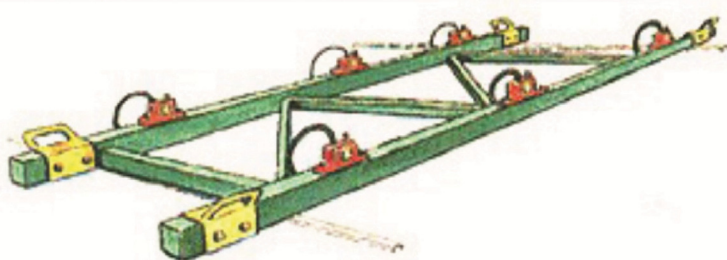
FEED CONTROL



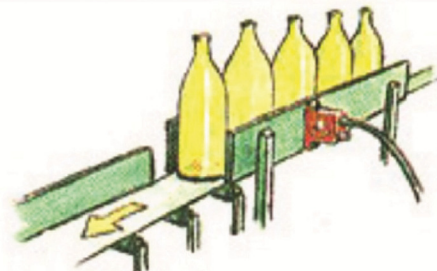
FUNNEL DISCHARGE



DETECTION



SCREENING



CONVEYOR