

## BULK SOLIDS HANDLING EQUIPMENT

### PNEUMATIC PISTON VIBRATORS

#### Pneumatic piston vibrators-SK-series

SK impact air hammer, also known as air percussion hammer, is characterized by large impact force, simple structure and convenient use. It can effectively solve the problems of powder materials sticking to the wall, hanging, blocking, and bridging. Large impact, low noise, a variety of models to choose from. The impact force and action time can be controlled, and the installation is convenient. It can be used in explosion-proof, dusty and humid environments.



- **APPLICATION** hopper silo - salt spreader - dump trailer - rail cart
- **POWDER** hygroscopic - humid - sticky
- **PROBLEM SOLVING** bridge and rat-holing
- **FEATURES**
- **DUTY CYCLE** continuous
- **WORKING PRESSURE** from 2 bar to 6 bar (from 29 psi to 87 psi)
- **PNEUMATIC CIRCUIT** filter+flow control valve+lubrication+3/2 ways valve
- **WORKING TEMPERATURE** from -20°C to 200°C (from -4°F to 392°F)
- **MAX NOISE LEVEL** 100dB(A)

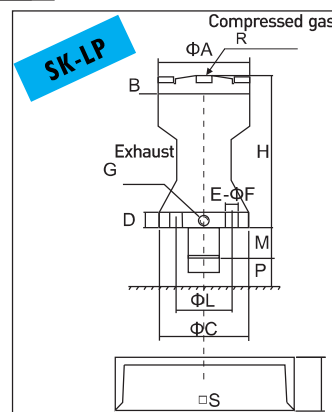
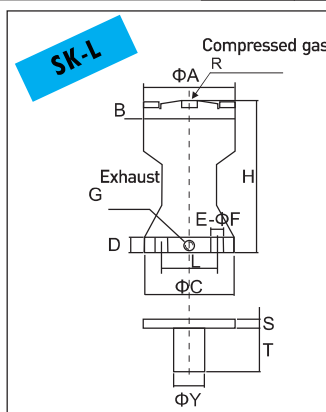
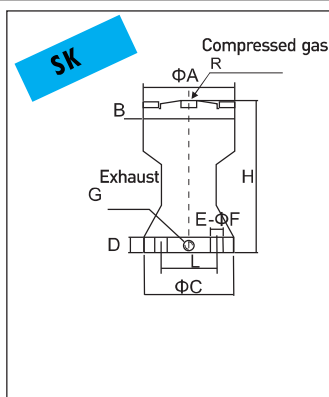
#### How To Order

| SK   | 40                          | LP                                       |
|------|-----------------------------|------------------------------------------|
| Type | Specification               | Install                                  |
| SK   | 30<br>40<br>60<br>80<br>100 | BLANK: Standard<br>LP: External Mounting |

| TYPE   | Pressure | Air consumption | Impact    | Impact   |      |      |
|--------|----------|-----------------|-----------|----------|------|------|
|        | (MPa)    | (L)             | (Ns)      | (Kg.m/s) | NW   | GW   |
| SK-30  | 0.35-0.6 | 0.028           | 1.0~1.5   | 2.0      | 0.70 | 1.00 |
| SK-40  | 0.35-0.6 | 0.082           | 3.3~5.1   | 9.0      | 1.80 | 2.90 |
| SK-60  | 0.35-0.6 | 0.228           | 7.1~10.8  | 18.6     | 4.60 | 7.80 |
| SK-80  | 0.35-0.6 | 0.455           | 19.3~29.5 | 26.2     | 7.90 | 11.0 |
| SK-100 | 0.35-0.6 | 1.012           | 44.5~67.9 | 56.2     | 20.0 | 24.2 |



#### piston vibrators



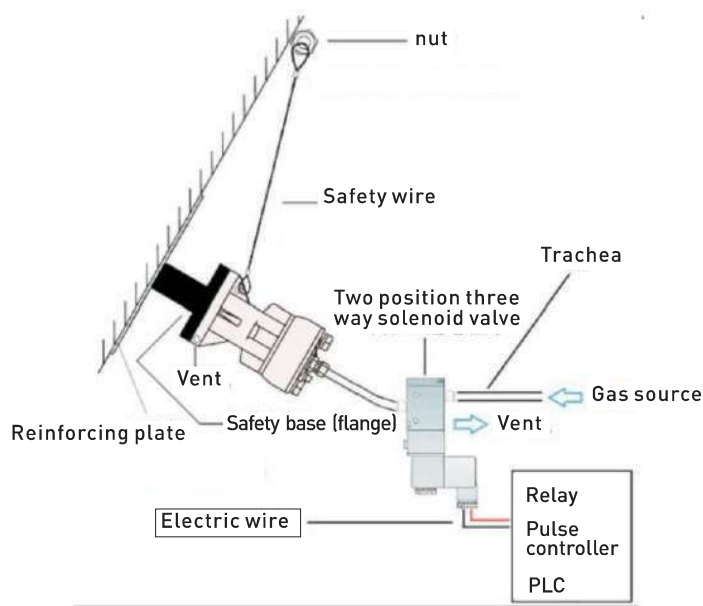
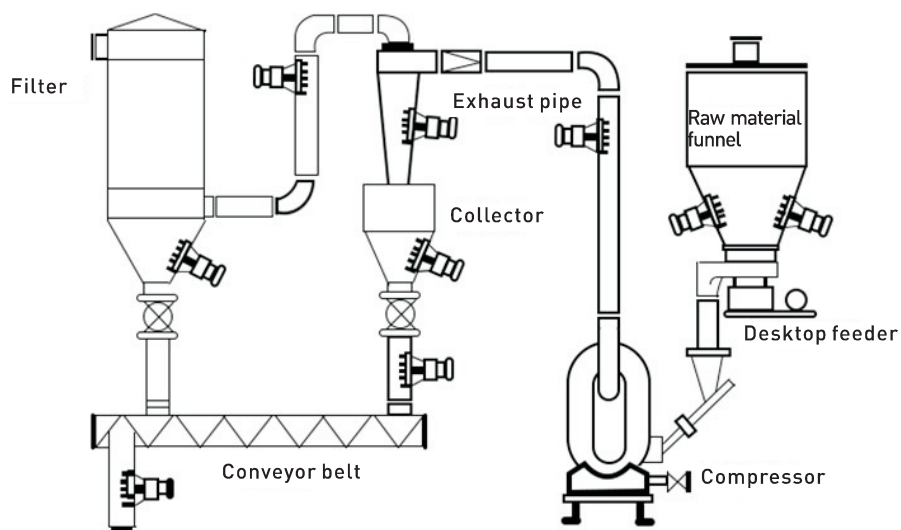
#### CONNECTION SIZE

| TYPE     | A   | B  | C   | D  | E | F  | G   | H   | L   | S  | T   | R   | Z   | Y     |    |
|----------|-----|----|-----|----|---|----|-----|-----|-----|----|-----|-----|-----|-------|----|
| SK-30    | 65  | 15 | 82  | 10 | 4 | 9  | 1/8 | 110 | 68  | 6  | 40  | 1/4 | 1/4 | 27.2  |    |
| SK-40    | 90  | 22 | 97  | 16 | 4 | 11 | 1/8 | 160 | 80  | 10 | 60  | 1/4 | 1/4 | 34.0  |    |
| SK-60    | 120 | 30 | 140 | 16 | 4 | 15 | 1/4 | 210 | 110 | 12 | 70  | 1/4 | 1/4 | 50    |    |
| SK-80    | 139 | 40 | 167 | 18 | 4 | 17 | 3/8 | 250 | 140 | 14 | 90  | 3/8 | 3/8 | 76.3  |    |
| SK-100   | 176 | 44 | 200 | 24 | 4 | 21 | 3/8 | 328 | 160 | 22 | 125 | 3/8 | 3/8 | 114.3 |    |
| TYPE     | A   | B  | C   | D  | E | F  | G   | H   | L   | S  | T   | R   | Z   | M     | P  |
| SK-30LP  | 65  | 15 | 82  | 10 | 4 | 9  | 1/8 | 110 | 68  | 6  | 40  | 1/4 | 20  | 30    | 20 |
| SK-40LP  | 90  | 22 | 97  | 16 | 4 | 11 | 1/8 | 160 | 80  | 10 | 60  | 1/4 | 25  | 55    | 20 |
| SK-60LP  | 120 | 30 | 140 | 16 | 4 | 15 | 1/4 | 210 | 110 | 12 | 70  | 1/4 | 40  | 65    | 25 |
| SK-80LP  | 139 | 40 | 167 | 18 | 4 | 17 | 3/8 | 250 | 140 | 14 | 90  | 3/8 | 50  | 45    | 45 |
| SK-100LP | 176 | 44 | 200 | 24 | 4 | 21 | 3/8 | 328 | 160 | 22 | 125 | 3/8 | 68  | 26    | 64 |

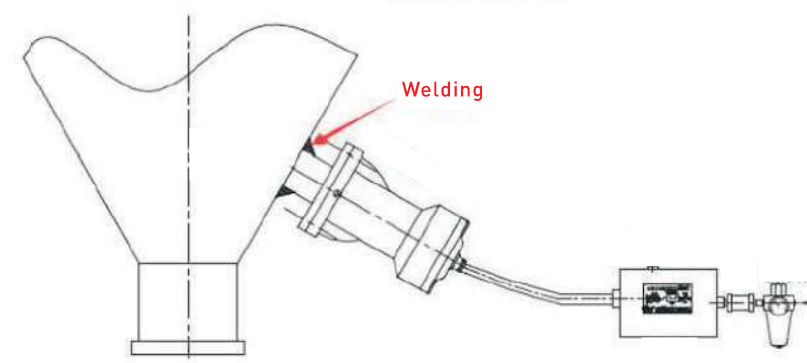
Dimensions in mm

## PNEUMATIC PISTON VIBRATORS

### Installation Example of Pneumatic Hammer



Pneumatic percussion hammer work control



Dimensions in mm