◆ **尊敬的用户：**

感谢您选用我公司的产品。您在使用本产品以前，请详细阅读本使用说明书，并严格按照使用说明书进行操作。

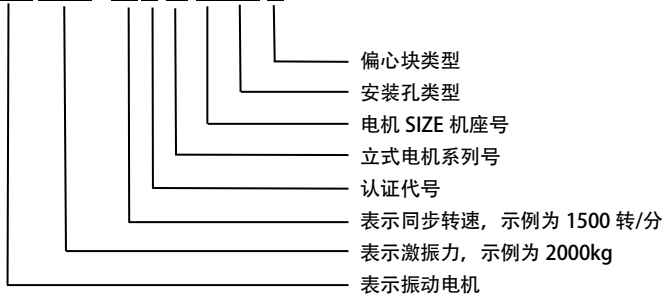
如有不明之处，需及时与我公司联系，谨防操作中出现意外事故。

◆ **型号说明**

本公司立式振动电机产品以下列符号表示：

MVE 激振力（kg）/ 转速 特殊符号

例如：MVE 2000 / 15 N-IC-60AM A



◆ **立式振动电机的使用条件**

1、环境温度随季节而变化，但一般不应超过 -20℃～+40℃。

2、海拔：不超过 1000 米。

3、频率：50 Hz（也可按用户特殊要求设计制造，注意铭牌标征数据应和电源对应）。

4、额定电压： 电机功率＜4KW 时为 220 / 380V，即 “△” / “Y” 接法，出厂时按 380V，“Y” 接法；电机功率≥4KW 时 380/660V，即 “△” / “Y” 接法，出厂时按 380V，“△”接法。（也可按用户特殊要求设计制造，具体以铭牌数据为准，注意电源电压应和铭牌及接线图中的接线方法相对应）。

5、绝缘等级：F 级。

6、工作方式：S1（连续）。

◆ **贮存与运输**

1、本公司生产的立式振动电机均采用塑料袋及外加纸箱包装，建议用户在贮存过程中不要拆开包装物，确保贮存环境干燥通风，避免环境温度急剧变化。

2、贮存和运输过程中，立式振动电机不可倒置。

重要说明：立式振动电机在运输过程中造成的损坏应及时与运输公司确认，并将信息反馈至我公司，以便我公司与运输公司交涉。

◆ **立式振动电机的安装**

警告！在安装立式振动电机前，应切断和锁定供给设备的所有能源，并给出警告标志。

重要说明：立式振动电机安装到振动设备上的安装过程，通过振动设备上与立式振动电机相联法兰位置的特殊密封能确保防护等级达到铭牌上要求。

1、安装前应检查运输中是否碰伤或受潮、紧固件有无松动等现象。

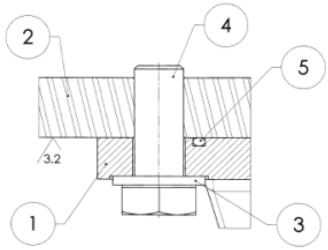
2、检查铭牌数据是否符合要求，在用户没有特殊要求的情况?下，本公司出品的立式振动电机的偏心块位置均处于铭牌标征的最大激振力位置。

3、立式振动电机的安装表面必须坚固、平整；安装表面的平面度应低于 0.08mm，该平板不应有气孔、裂纹；安装表面不小于立式振动电机法兰面；应避免在安装表面区域进行焊接，否则会影响立式振动电机安装表面的平面度。

4、一定要确保安装表面没有油漆和杂物，确保立式振动电机法兰面清洁。

小心！当立式振动电机已经安装并接线后，不得在安装板上进行焊接。焊接有可能导致立式振动电机绕组和轴承损坏。

5、振动设备与立式振动电机相连法兰位置的密封结构按图 1 安装才能达到铭牌上防护等级。



序号	零件名称	备注
1	立式振动电机法兰面	
2	振动设备安装面	
3	弹垫	
4	螺钉	拧紧力矩按表 II
5	O 型圈（NBR70）	使用 O 型圈按表 I

图 1　安装面密封结构示意图

表 I 法兰密封 O 型圈规格

立式电机机座号	规格（O 型圈内径×截面直径）	备注
SIZE30F	Φ158.34 x Φ3.53	
SIZE40F	Φ177.39 x Φ3.53	
SIZE50F	Φ202.79 x Φ3.53	法兰外径 ∅260
	Φ215.5x Φ3.53	法兰外径 ∅290
SIZE60F	Φ215.5x Φ3.53	
SIZE70F	Φ266.29 x Φ3.53	
SIZE75F	Φ266.29 x Φ3.53	

6、立式振动电机上在接近法兰处均有防跌安装孔，立式振动电机的安装螺钉应根据孔径选用相应不低于 8.8 级的高强度螺钉，用扳手可靠紧固并采用防松措施，不可有任何松动。将立式振动电机安装到安装板上之前，应在所有的螺钉上涂以螺纹胶。

7、MVE 侧板电机在筋上有防跌落安装孔。当用户将振动电机安装离地面高于 0.2m 时，建议如图 2 用链钩拴紧，以防振动电机螺栓松动时下跌，造成损坏及安全事故发生。

8、振动电机试运转 10 至 20 分钟后，检查螺钉拧紧力矩，必要时再次拧紧。

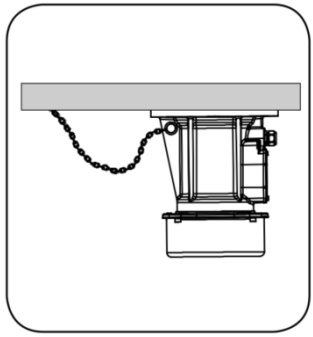


图 2 电机防跌装置

表 II 紧固螺钉和拧紧力矩要求

公制	
螺钉规格	拧紧力矩 (kgm)
M8	2.3
M10	5
M12	8
M14	13
M16	19
M18	28
M20	38
M22	56

◆ 立式振动电机的接线

1、您可以按我公司立式振动电机的铭牌上或接线盒盖板背面发现图 3 接线图，按接线图接线。

2、先将电源线穿过电缆接头，剥线后将线头绞紧穿入接线端子，并用冷压钳压紧，不得有散铜丝外露、突出。

3、为了引出线和电缆接头密封联接，引出线应采用四芯电缆，其中一根为黄绿双色接地线。电缆线外径及电缆线导体标称截面见表Ⅳ，电机型号中包含上法兰、中法兰、双法兰。

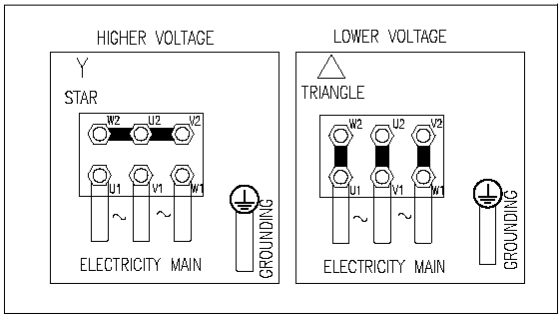


图 3 立式振动电机接线图

小心！在将电源线接在立式振动电机上之前，应确保电源线耐压等级一定要等于或大于您所要操作的立式振动电机电压。其最低额定温度为 105℃，最小线径如表 III 所示。如果电源线

直径选取不当，电缆接头将无法夹紧到位，立式振动电机将会因潮湿或因材料聚积在接线盒内而导致损坏。如果电源线损坏，将会引起电源短路或接地短路，从而导致立式振动电机损坏。

表Ⅲ　电缆线外径

立式电机机座号	电缆接头型号	电缆线外径（mm）	电缆线导体标称截面	接线端子	备注
SIZE30F、40F、50F	M25x1.5	Φ10-14	4-0.5	OT0.5-5	30F、40F配M20转M25转接头
SIZE60F、70F	M25x1.5	Φ10-14	4-1.5	OT1.5-5	
SIZE75F	M25x1.5	Φ10-14	4-2.5	OT2.5-5	

4、请严格按接线图接线，注意电源线中的黄绿双色线应可靠接地，以防接线错误导致危及人身安全和电机烧坏，且该接地线应该总是比其它三根线长，以保证发生引出线断裂时该线最后断裂。

5、接线端子如图 4 装入接线螺柱后，压上专用的防松垫圈， 再用接线螺母充分拧紧，注意接线端子的相互位置，保证电气间隙＞8mm。

图 4　电缆线接线

6、根据所需电缆线的长度拧紧电缆接头，然后再拧紧螺母。注意电缆接头的密封圈应紧套在电缆橡皮保护层上。

重要说明：在立式振动电机接线时，电源线应保持一定的松驰状态。这样，在立式振动电机振动过程中，电源线才不致过分张紧，从而导致接线内部产生应力。当在潮湿环境下使用时，应使电源线保持足够的松驰状态，以防凝结水沿电源线流向立式振动电机。

7、立式振动电机使用时应根据电流大小配有相应的过载保护或短路保护装置。同时尽量避免一个保护装置同时控制二台或三台以上的立式振动电机。

◆ 检查轴的转动情况

1、启动立式振动电机 1 秒钟，然后停止。

2、注意观察立式振动电机转动方向。如果立式振动电机转动方向不对，应先切断并锁定电源，给出警告标志，再改变立式振动电机转动方向。如图 5 所示，改变电机的转动方向。

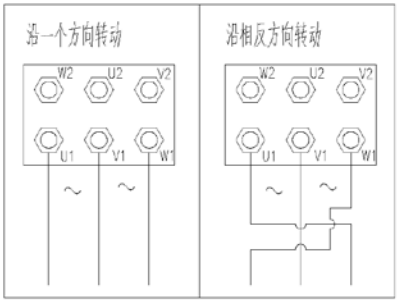


图 5 立式振动电机改变转动方向接线图

◆ 立式振动电机偏心块的调整

注意：所有的立式振动电机在每个轴端均带有一组偏心块。偏心块出厂时设定为 100%。立式电机下端偏心块指示牌上有从 0~360 的刻度，出厂时偏心块正中间的凹槽中心线对准 0 处，此时电机的激振力处于 100%处，客户可根据自己实际生产需要调整合适的角度已达到物料筛分的效果。

1、如果您需要调整立式振动电机的激振力大小，偏心块形式如图 6(左)所示，您可以通过增加或减少主偏心块上的附加偏心块的数量来调整立式电机的激振力。偏心块形式如图 6(右)所示,您可以通过旋转从动偏心块，通过改变从动偏心块和主动偏心块的夹角来调节电机激振力的大小；

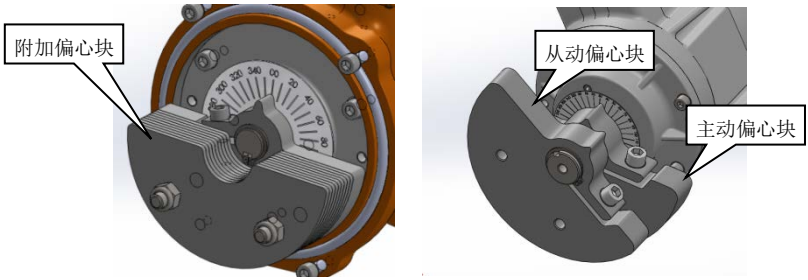


图 6 偏心块形式示意图

警告！在调整偏心块之前，应切断立式振动电机电源并锁定/给出警告标志。

2、打开立式振动电机端罩，注意保护 “O ” 型密封圈。

3、偏心块是由一块连于转轴上的主动偏心块和用螺钉拧在主动偏心块上的几块附加偏心块组成的。

4、立式振动电机偏心块对激振力相位角的调整（见图 7-8）

4.1 拧松主动偏心块（序 1）的夹紧螺钉（序 2），偏心块在转轴上能自由旋转即可，不需要取下轴头两端的卡簧。

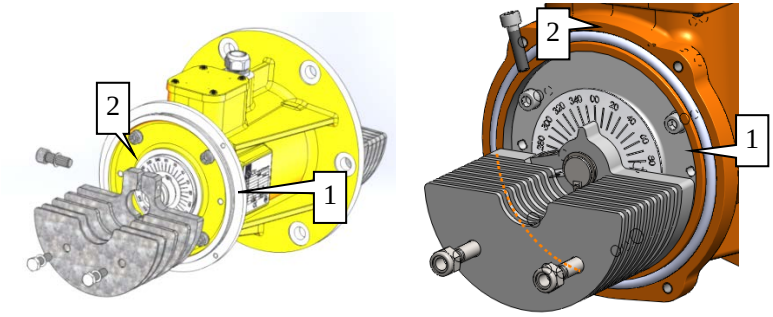


图 7 松开偏心块夹紧螺钉

4.2 按需要的振动效果对偏心块角度进行调整。当偏心块槽口中心线（图 8 左）或偏心块上侧凸起指针（图 8 右）与圆形偏心块指示牌（序 3 ） “0” 刻度线对准时，两边偏心块处于同一平面上，用户可根据自己的需要调整不同的角度已达到不同的使用效果。

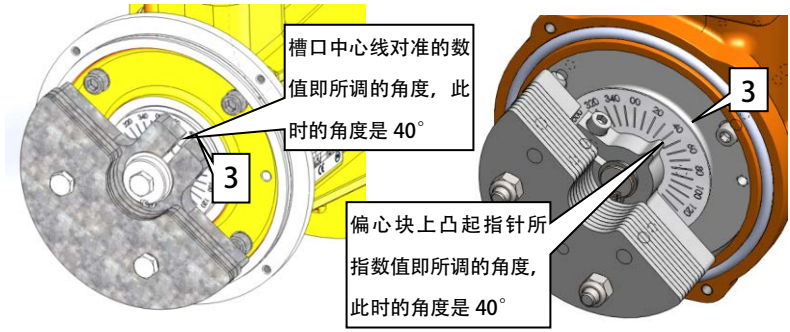


图 8 相位角调整

5、激振力调整后应将两端偏心块的夹紧螺钉充分拧紧，拧紧力矩一般根据夹紧螺钉螺纹而定，详见表 II。

6、装上端罩，并拧紧端罩装配螺钉。

注意：偏心块拧紧后。为避免转子转动不灵活，烧坏电机，建议用铜棒（即较软的金属棒）或木锤轻轻敲转子轴端，使其灵活转动。

◆ 立式振动电机首次启动/检查线电流

1、接通电源开关，主电机运转 10 至 20 分钟。

2、如果立式振动电机出现异常声响或过大的噪音，应确认安装螺钉已经拧紧，安装件焊接无损坏。

警告！安装在结构上的立式振动电机在运转过程中，会产生较大的噪音。在运转过程中，检查立式振动电机噪声分贝级。

3、在运转过程中，检查电机振动噪声分贝级。

小心！立式振动电机工作电流不得超过铭牌上标明的额定值。如果立式振动电机在连续工作时，线电流超过铭牌上的额定值，将有可能导致立式振动电机损坏。

4、经过几个小时的运转后，检查每根接线的线电流。如果读数值超过铭牌给出的额定值，应减小偏心配重设定值，进一步紧固安装件，或将立式振动电机移至刚度更大的位置。经过调整后，再次检查线电流，确保线电流不超过铭牌上给出的额定值。

小心！不得使立式振动电机在超过铭牌上规定的频率范围工作，否则将有可能导致立式振动电机损坏。在整个频率范围内，确认线电流不超过铭牌上规定的额定值。

5、经过首次 8 个小时的使用后，应定期检查安装螺钉拧紧力矩，必要时拧紧。

◆ 维护与保养

1、我公司生产的立式振动电机 SZIE30F～75F 均采用国际知名品牌振动源专用轴承，已注入专用的润滑油脂，正常工作，**无需维护**。

小心！不要试图擅自修理立式振动电机或更换轴承。如在保证期内擅自修理或更换，保证条件将会失效。

2、MVE 系列立式振动电机外壳只要用户在接线或调整偏心块时不破坏密封装置，不会有杂质进入。应及时清理立式振动电机表面尘埃，以利于立式振动电机表面散热。

3、用户安装运行立式振动电机的第一个月，应用力臂加长扳手紧固底脚安装螺钉不少于两次，以后的每个月应至少检查一次。

4、本立式振动电机的外壳颜色为国际通用安全警告色，建议用户不要用其它颜色覆盖。如客户需要，可作另行修改。

◆ 立式振动电机的检查

应至少每个季度对立式振动电机、电缆和连接装置进行一次检查。检查方法如下：

警告！在检查之前，应切断和锁定电振动器电源，并给出警告标志。

1、应切断和锁定立式振动电机电源，并给出警告标志。

2、检查端盖有无裂纹，端盖螺钉是否拧紧。

3、检查电缆有无损坏，包括割痕和磨损。如有损坏应及时更换。

4、检查接地状况。一定要确保立式振动电机壳体接地电阻不超过 0.1 欧姆。确保接地端子上的螺钉拧紧力矩符合规定的要求。确保接线板上的所有联接螺母拧紧力矩符合规定的要求，但不可拧得过紧。

◆ Dear user:

Thank you for choosing our company's production. Before you use the product, please read this instruction manual carefully and operate strictly according to it.

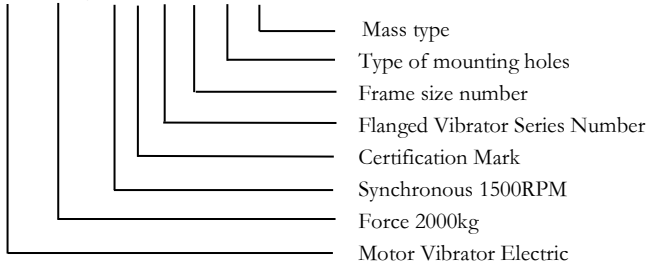
If there is anything unknown , please contact us in time, and avoid accident in using.

◆ Model Description:

The flanged vibrators are represented by the following symbols:

MVE force(kg) / Synchronous speed Special symbols

Example: MVE 2000 / 15 N-IC-60 AM A



◆ Flanged Electric vibrators use conditions:

1、The ambient temperature varies with the season, but generally should not exceed -20℃ ~ +40℃.

2、Altitude: not more than 1000 meters.

3、Frequency: 50 Hz. (also be designed and manufactured according to the special requirements of users. Note that the nameplate marking data should match to the power supply)

4、Rated voltage: 220 / 380V when the motor power is <4kW, which is "△"/ "Y" connection, connect 380V and "Y" when out of the factory; 380/660V when motor power is ⩾4kW. Which is "△" / "Y" connection, connect 380V and "△" when out of the factory. (It can also be designed and manufactured according to the special requirements of users. Note that the power supply voltage should match to correspond the nameplate or wiring diagram.)

5、Insulation grade: F

6、Duty: S1 (continuous)

◆ Storage and Transportation

1、The flanged electric vibrators produced by our company is packed in plastic bag and extra carton.

2、Vibrator don't be inverted during storage & transport process.

IMPORTANT NOTE: If the vibrator motor is damaged during transportation, please contact transporting company in time, and feedback us too, we could negotiate to our supplier.

◆ Flanged electric vibrators installation

WARNING! Before installing the flanged vibration motor, all energy sources of the supply equipment should be cut off and locked, and given the warning sign.

IMPORTANT NOTE: During the installation of the flanged vibration motor to the vibration equipment, the special seal at the position of the flange connected to the flanged vibration motor on the vibration equipment can ensure that the protection level meets the requirements on the nameplate.

1、Before installation, check whether there is any injury or moisture in the transportation and whether the fasteners are loose or not.

2、Check whether the nameplate data meets the requirements. If the user does not have special requirements, the position of the unbalance mass in the flanged vibration motor produced by the company at the maximum centrifugal force position.

3、The mounting surface of the flanged vibration motor must be strong and flat. The planeness of the mounting surface should be less than 0.08mm, the plate should not air holes and cracks; the mounting surface is not less than the flange surface of the flanged vibration motor; welding should be avoided in the mounting surface area, otherwise the flatness of the flanged vibration motor mounting surface will be affected.

4、Make sure that the mounting surface is free of paint and debris and that the flanged vibration motor foot surface is clean.

BE CAREFUL! When the flanged vibration motor has been installed and wired, it must not be welded on the mounting plate. Welding can cause damage of the flanged vibration motor winding and bearing.

5、The sealing structure of the connecting flange of the vibration equipment and the flanged vibration motor can be installed according to Figure 1 to achieve the protection level on the nameplate.

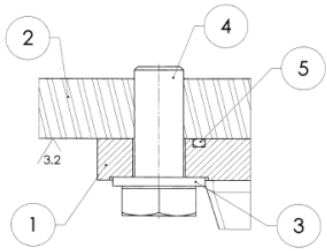


Fig.1 Schematic diagram of sealing structure of mounting surface

No.	Part Name	Note
1	Flanged electric vibrator flange face	
2	Vibration Equipment mounting Surface	
3	Spring Washer	
4	Screw	Tightening torque Table II
5	O-ring（NBR70）	O-ring Table I

Table I Flange seal O-ring specification

Frame Size	Specification (O-ring ID×Diameter of Section)	Note
SIZE30F	Φ158.34 xΦ3.53	
SIZE40F	Φ177.39 xΦ3.53	
SIZE50F	Φ202.79 xΦ3.53	Flange outer diameter Ø260
	Φ215.5xΦ3.53	Flange outer diameter Ø290
SIZE60F	Φ215.5xΦ3.53	
SIZE70F	Φ266.29 xΦ3.53	
SIZE75F	Φ266.29 xΦ3.53	

6、Flanged electric vibrators have anti-drop mounting holes near the flange, the mounting screws of the flanged vibration motor should be selected according to the aperture of the corresponding high-strength screws of not less than 8.8, Use a wrench to securely fasten and adopt anti-loose measures. Thread glue should be applied to all bolts before installing the flanged vibration motor on the mounting plate.

7、The flanged electric vibrators have anti-drop mounting holes near the junction box. When the user installs the vibration motor above 0.2 m, it is recommended to use a chain hook as shown in Figure 2 to prevent the electric vibrators from falling, cause the equipment damage and safety accidents.

8、After the electric vibrator started 10 to 20 minutes, check the bolt tightening torque. Tighten again if necessary.

◆ Electric vibrators wiring

1、You can find the wiring diagram in Figure 3 on the nameplate of our vertical vibration motor or on the back of the junction box cover plate, and connect the cables according to the wiring diagram.

2、First, pass the power cord through the cable grand. After stripping the wire, thread the wire into the terminal blocks and press it with a cold compression pincers. Don’t let copper wire exposure and extrude.

3、In order to sealing between cable wire and cable grand, the cable wire should be use a four-core cable, one of them is a yellow-green two-color ground wire. The outer diameter of the cable and the nominal section of the cable conductor are shown in Table IV. The motor type includes upper flange,

middle flange and double flange3、In order to sealing between cable wire and cable grand, the cable wire should be use a four-core cable, one of them is a yellow-green two-color ground wire. The outer diameter of the cable and the nominal section of the cable conductor are shown in Table IV. The motor type includes upper flange, middle flange and double flange.

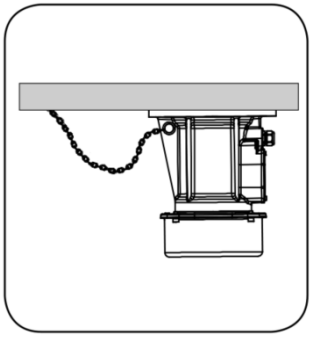


Fig.2 Electric fall protection device

Table Ⅱ Fastening bolts and tightening torque requirements

Metric system	
Bolt specification	Tightening torque(kgm)
M8	2.3
M10	5
M12	8
M14	13
M16	19
M18	28
M20	38
M22	56

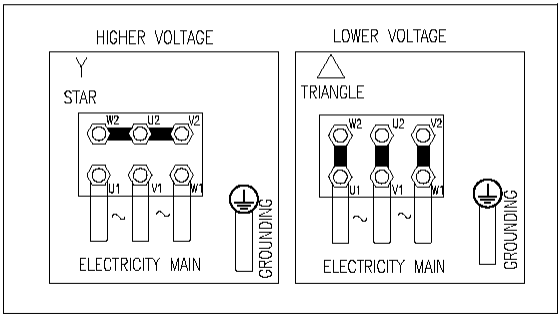


Fig.3 The flanged vibration motor wiring diagram

BE CAREFUL! Before connecting the power line to the three-phase AC vibrators, make sure that the Dielectric Strength of power line must be equal or greater than the vibration motor voltage that you are operating. Its maximum rated temperature is 105 ℃, the minimum wire diameter is shown in Table II. If the diameter of the power line is not properly selected, the cable grand can not be clamped into the right position and the vibration motor will be damaged due to moisture or accumulation of material in the junction box. If the power line is damaged, it will cause a short circuit in the power supply or a

short circuit to the ground, and cause vibration motor damage.

Table III Outer diameter of cable

Frame	Cable Type	Outer diameter of cable (mm)	Cable wire section	Terminals	Note
SIZE30F、40F、50F	M25x1.5	Φ10-14	4-0.5	OT0.5-5	30F, 40F with M20 to M25 adapter
SIZE60F、70F	M25x1.5	Φ10-14	4-1.5	OT1.5-5	
SIZE75F	M25x1.5	Φ10-14	4-2.5	OT2.5-5	

4、Please strictly follow the diagram wiring, pay attention to the yellow-green two-color line in the power line should be grounded reliably, in order to prevent the wiring error leading to personal safety and motor burn out, and the grounding wire should always be longer than the other three wires to ensure the occurrence happen of the lead-out line broken and this line finally broken.

5、After installing the wiring terminals into the wiring studs as shown in Figure 4, press the special anti-lock washer and tighten the wiring nuts fully. Pay attention to the mutual position of the wiring terminals and ensure that the electrical gap is greater than 8mm.

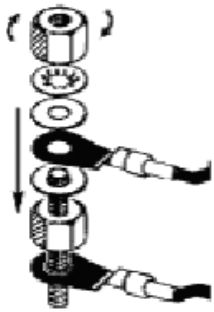


Fig.4 Cable Connection

6、Tighten the cable grand according to the length of the required cable and then tighten the nut. Note that the built-in seal ring of the cable grand should be tightly placed over the cable rubber protective layer.

IMPORTANT NOTE: When the vibration motor is wired, the power line should be kept at a loose state. In this way, during the vibration, the power line is not excessively tensioned, cause the stress

inside the wiring. When used in a humid environment, keep the power line in a sufficiently loose state to prevent condensate from flowing along the power line to the vibration motor.

7、When using the electric vibrators, it should be equipped with corresponding overload protection or short circuit protection device according to the current. And avoid one protection device simultaneously controlling two or more vibration motors.

◆ Check the rotation of the shaft

1、Start the electric vibrators for 1 second and then stop.

2、Pay attention to the rotation direction of the vibration motor. If the rotation direction of the vibration motor needs to be adjusted, first cut off and lock the power supply / give a warning sign, then change the direction of vibrator rotation through changing the power cable connection order refer to figure 5.

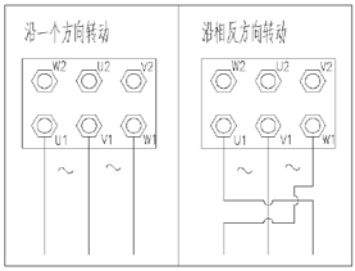


Fig.5 Wiring diagram of flanged vibrator changing rotation direction

◆ The Adjustment Of Electric Vibrator Unbalance Mass

NOTE: the axial end in all flanged series of the electric vibrator have a set of mass. The mass is set to 100% when out of factory. The flanged motor at the lower end of the mass indicator plate has a scale from 0 to 360, the center line of the center of the mass is aligned to 0, and the centrifugal force of the motor is at 100%, customers can adjust the appropriate angle according to their actual production needs to achieve the effect of material screening.

1. If you need to adjust the centrifugal force of the flanged electric vibrator, the mass form is shown in Figure 6(left), you can adjust the centrifugal force of the flanged motor by increasing or decreasing the number of additional masses on the main masses. The mass form is shown in Figure 6, you can adjust the centrifugal force of the motor by rotating the adjustable mass and changing the angle between the adjustable mass and the active mass.

WARNING! Before adjusting the mass, power off the electric vibrator and lock/give warning signs.

2. Open the mass cover of the vibration motor, and pay attention to protect the "O-ring" sealing ring.

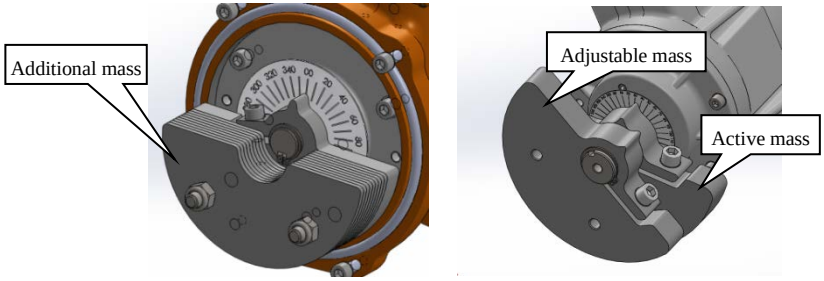


Fig.6 Mass form diagram

3. The mass is composed of an active mass connected to a rotating shaft and several additional masses screwed on the active mass

4. Adjustment of phase angle of centrifugal force by mass of flanged vibration motor (see Figure 7-8).

4.1. Loosen the clamping screw (sequence 2) of the active eccentric block (Sequence 1), and the eccentric block can rotate freely on the rotating shaft, without removing the circlip at both ends of the shaft head.

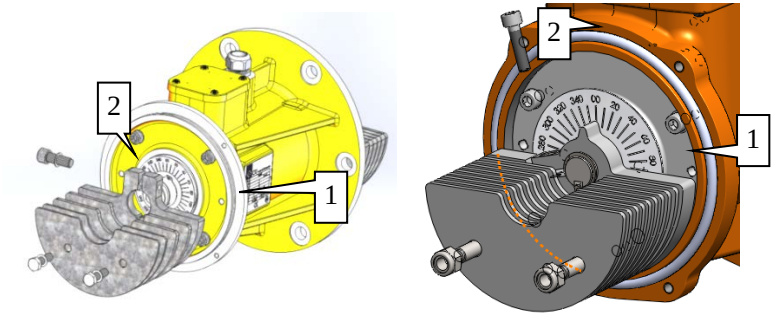


Fig.7 Loosen the eccentric block clamping screw

4.2. The angle of the mass is adjusted according to the desired vibration effect. When the center line of the notch of the mass (Figure 8 left) or the raised pointer on the upper side of the mass (Figure 8 right) is aligned with the "0" scale line of the circular mass indicator plate (sequence 3), the two masses are on the same plane, and the user can adjust the different angles according to their own needs to achieve different use effects.

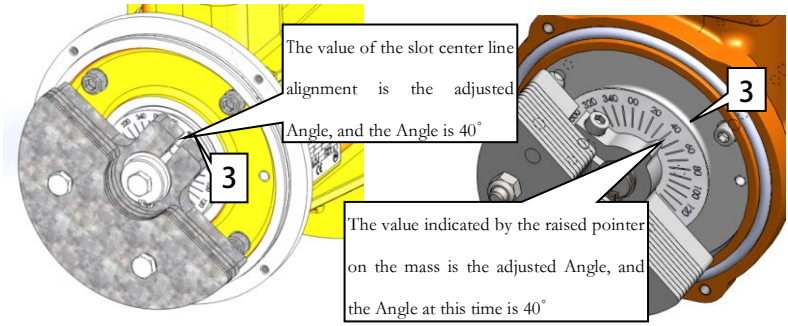


Fig. 8 Phase Angle adjustment

5. After the adjustment of the centrifugal force, the clamping screw of the mass at both ends should be fully tightened, and the tightening torque is generally determined according to the screw thread of the clamping screw, as shown in Table II.

6. Install the mass cover and tighten the mass cover assembly screws.

NOTE: after the masses are tightened. In order to avoid the rotor rotation is not flexible and the motor is burned, it is recommended to use copper rod (that is softer metal bar) or wooden hammer to gently knock the shaft end to make it rotate flexibly.

◆ **Electric vibrator first start/check line current**

1. Connect the power switch and run the motor for 10 to 20 minutes.

2. If the electric vibrator has abnormal sound or excessive noise, confirm that the mounting bolts have been tightened and the welding of the mounting parts is not damaged.

WARNING! The electric vibrator installed on the structure will make a lot of noise during operation. During operation, check the noise level of vibration motor.

3. Check the dB level of motor vibration noise during operation.

BE CAREFUL! The working current of the electric vibrator shall not exceed the rated value indicated on the nameplate. If the vibration motor works continuously, the line current exceeds the rated value on the nameplate, the vibration motor may be damaged.

4. Check the current of each wire after several hours of operation. If the reading value exceeds the rating given by the nameplate, the centrifugal force setting value should be reduced, and further tighten the mounting parts or move the electric vibrator to a more rigid position. After adjustment, check the line current again to ensure that the line current does not exceed the rating given on the nameplate.

BE CAREFUL! The electric vibrator shall not be allowed to work over the frequency range specified on the nameplate, otherwise it may cause damage to the electric vibrator. Throughout the frequency

range, make sure the line current does not exceed the specified rating on the nameplate.

5. After the first 8 hours' use, the mounting bolt tightening torque shall be regularly checked and tightened if necessary.

◆ Care and maintenance

1. The flanged vibration motor SZIE30F ~ 75F produced by our company are all made of international well-known brand vibration source bearings, which have been injected with special lubrication grease, normal work without maintenance.

BE CAREFUL! Do not attempt to repair vertical vibration motors or replace bearings without permission. If repaired or replaced within the warranty period, the warranty will be void.

2. MVE series flanged vibration motor housing as long as the user does not destroy the sealing device when wiring or adjusting the mass, there will be no impurities into. The dust on the surface of the flanged vibration motor should be cleaned in time to facilitate the surface heat dissipation of the flanged vibration motor.

3. In the first month after the user installs the electric vibrator, the installation bolt of the bottom foot shall be tightened with the extension wrench of the arm no less than twice, and shall be checked at least once every month in the future.

4. The shell color of this electric vibrator is the international general safety warning color. It is recommended that users do not cover it with other colors. If the customer needs, it can be modified separately.

◆ Inspection of Electric vibrator

Vibration motors, cables and connections device shall be inspected at least once a quarter. The inspection method is as follows:

WARNING! Before checking, the power supply of the electric vibrator should be cut off and locked, and warning signs should be given.

1. The power supply of the vibrating motor should be cut off and locked, and warning signs should be given.

2. Check if the flange is cracked and the flange screw is tightened.

3. Check if the cable is damaged, including cutting marks and wear. If there is any damage, it should be replaced in time.

4. Check the ground connection. Make sure that the vibration motor housing grounding resistance does not exceed 0.1 ohm. Ensure that the screw tightening torque on the terminal blocks meets the specified requirements. Ensure that all coupling nuts on the terminal plate meet the required tightening torque. But not too tightly.