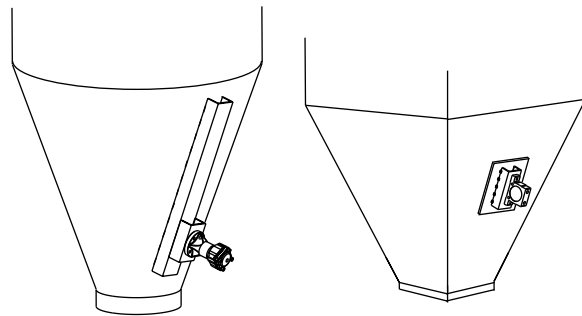
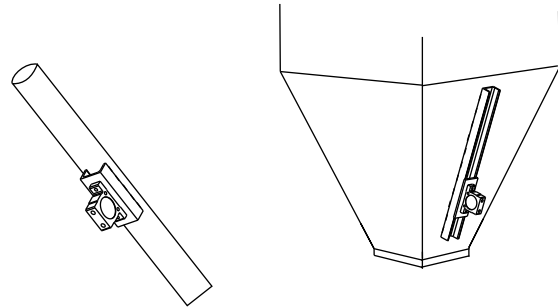


INSTALLATION

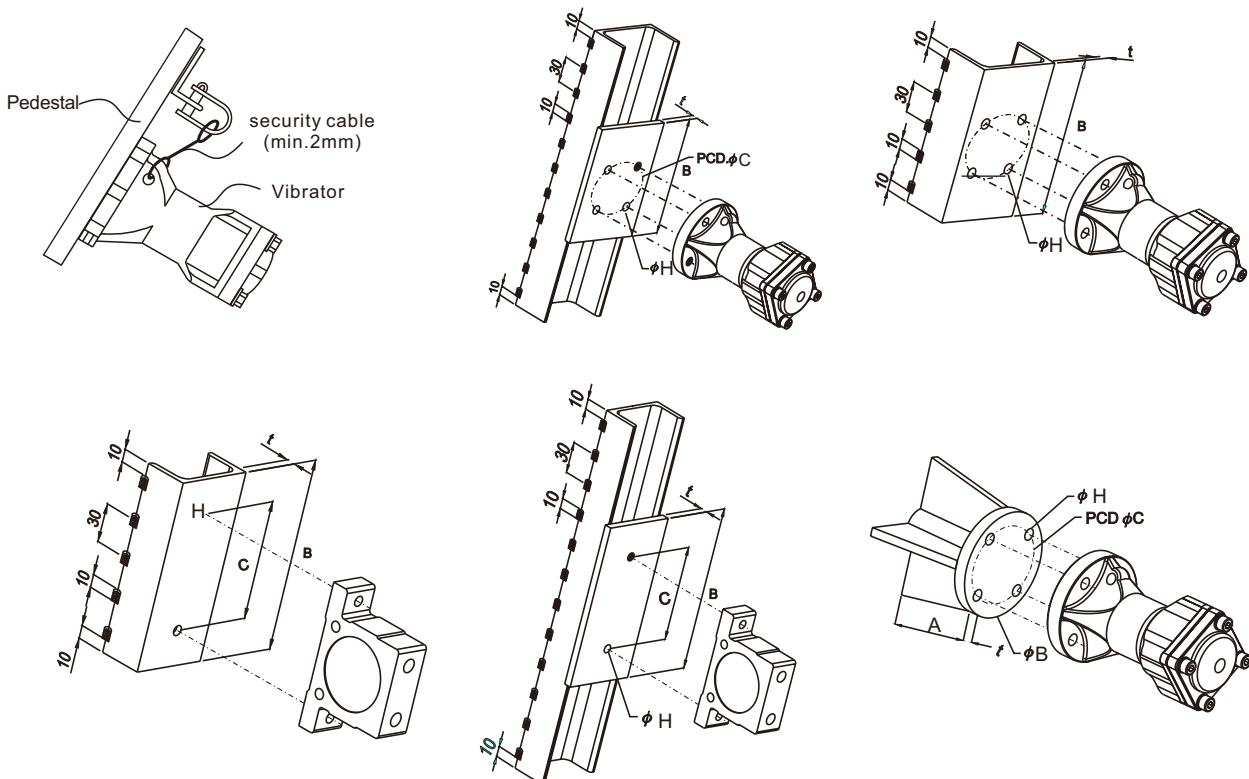
Vibration force transmits more efficiently in conical hopper tank than in rectangular hopper. It is recommended to install two vibrators for rectangular hopper application.

1. Vibration force can be transmitted more efficiently by using U shape steel supporter. It can help material fall smoothly in the tank or pipe. It also reduces tank damage.
2. U shape steel or fixer can prevent irregular movement of vibrators. To avoid possible damage on the tank wall caused by vibration force, stitch weld method is suggested. (10mm space will be required on two ends of U shape steel)
3. Reinforced board is required between U shape steel and thin tank wall.
4. Cross installed of U shape steel can increase vibration field in big hopper tank.



ATTENTION

Vibrator has to be fixed by high tension bolt, washer, and spring washer. It is suggested to use security cable if vibrator is installed onto hopper.



AIR SUPPLY AND LUBRICATION



AIR SUPPLY

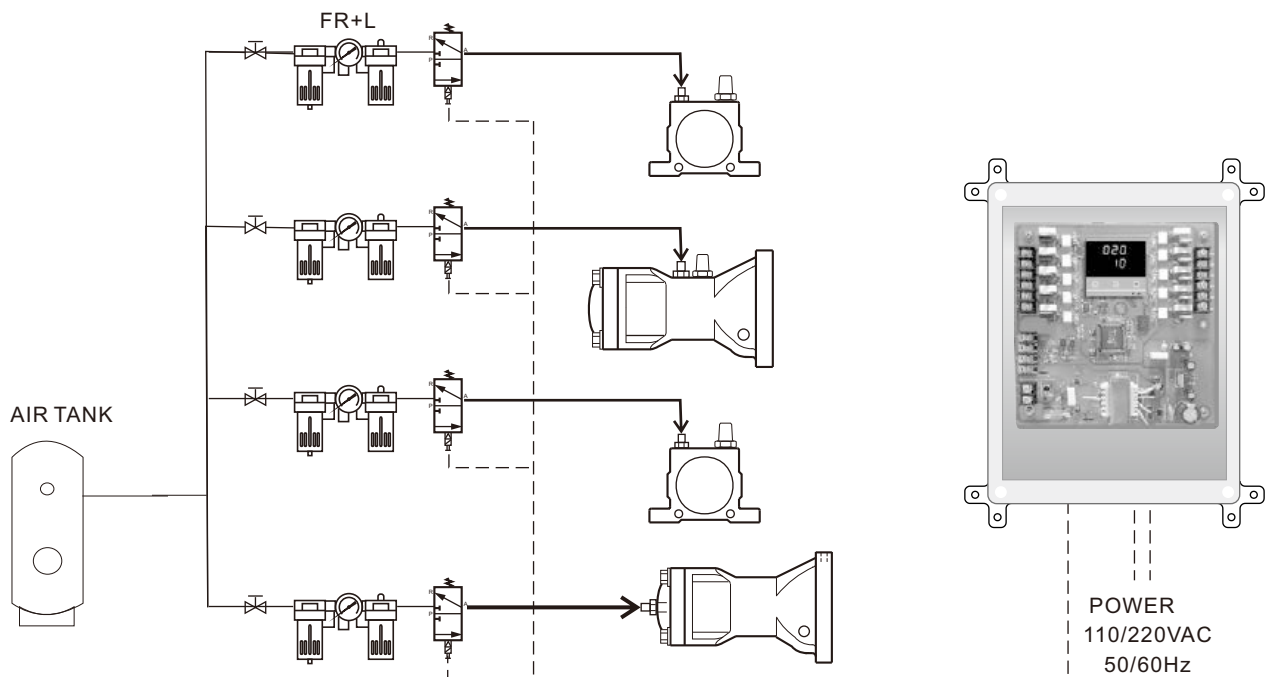
The moisture in the compressed air will erode pipes and accessories, then weaken the vibrator's performance. Make sure necessary steps are followed before applying. To fully utilize vibrator performance, choose appropriate product for different application.

LUBRICATION

All vibrators require lubricating oil to smooth the operation. Low viscosity oil will be injected into cup of F.R.L. combination unit to adjust required spread oil amount. To aim at specific application requirement, muffler can be applied onto exhaust tube in outside area to prevent food from pollution. Or to inject 2~3 drops of edible oil via air inlet sometimes is an alternative choice. BAH series don't need lubrication unless they are running frequently.

TUBING ARRANGEMENT

Muffler can reduce noise and prevent dust enter the vibrator. The size of tubing should meet with that of vibration air inlet/ exhaust. In the meantime, as two vibrators work simultaneously, length of tubing should be equal after separation. In the meantime, the cross section of tubing should be twice of the vibrator.



TROUBLE SHOOTING



Air vibrators are simply structured, which seldom breaks down. Break-down usually arose because of careless installation methods.

Pay attention to F.R.L. combination unit after long time operation.

Trouble shooting	Possible factor	Solution
Vibrator cannot run when switch on	No air supply, or low air supply pressure	To check pressure gauge in F.R.L. Unit and air compressor, the air pressure should be adjusted to exceed 5 kg/cm ² value. Make Sure to turn on the air supply valve and compressor
	Solenoid valve not activated.	To strip air plug of vibrator away, make sure whether air exhaust after solenoid valve is activated
	Exhaust plug of vibrator not being removed	To remove plastic plug of vibrator
	Installation mistake in AC1 series air inlet hole	To make sure air in/outlet installation position is correct.
	HAH can't be operated well due to inappropriate soleuoid valve.	Soleuoid valve has to be 3/2 ways type, otherwise BAH will not be able to exhaust after operating.
Too small vibration force	Install manifold or too many branches on main tube with same cross section size	To enlarge cross section of main tube equal or bigger than sum of manifold or branches tubes. or to install tubings individually
	Insufficient air supply, Inappropriate tube, solenoid valve, F.R.L unit , or tubing is too long	To make sure applied accessories match to required ones, the length of tubing should not go beyond 5M.
	Wrong VT exhaust and inlet installation	To check pressure of F.R.L. unit and adjust its value higher
	Articles are absorbed by the vibrator	To dismantle the vibrator for checking
	Objects jam in muffler	To check pressure of air supply and adjust it stronger
Vibration noise	Screw loosen	To tight the screws
	U shape steel is not welded well	To weld again
	Vibrators problem	To remove vibrator, then activate it individually. It has to be repaired, if abnormal condition happened while running.
Solenoid valve noise	Articles are in solenoid valve	To replace solenoid valve