



Hoya International Co., Ltd.

HIGH FREQUENCY INTEGRATED CONCRETE VIBRATOR

This is a perfect tool for compacting poured concrete. Its design makes it easy to get excellent results extremely quickly. It's fully compatible with European Union CE CB and EMC standards. HY-H42S has an 850mm hose, and the HY-H42 has a 6 meter hose.



It uses a high frequency motor mounted directly in the vibrator head with generates 12500VPM for fast and effective removal of air bubbles. The vibrator head has a hardened steel casing and heavy duty bearings.

Its high power output allows it to perform brilliantly, even in challenging situations, like moving a heavy mix into corners and around rebar.



High frequency has many advantages over flex-cable systems powered by universal motors. The high frequency motor design maintains consistent speed, losing less than 5% of its no-load VPM. Even in heavy, low slump concrete – A flex shaft vibrator can lose 40% or more of its VPM under heavy load.



Since the hose only contains electric wires, there is no flexible drive shaft. So there are no friction losses and no need to worry about over-bending the hose (as you would with a flex-shaft driven design)



It contrasts to traditional high frequency systems, which require a separate frequency converter. This machine has the converter integrated into the handle, so one can simply plug into the standard single phase current available on any jobsite. This makes operation much simpler and more convenient, giving the operator of each unit total autonomy of movement.

The converter is a robust design with built-in protection from over and under voltage, as well as voltage spikes. It has special electronics which allow it to use any voltage from 100V to 250V single phase supply.



Our design has large volume, exposed heat sink which keeps the electronics cool. The heat sink is robust and easy to keep clean for maximum cooling and long-term durability.



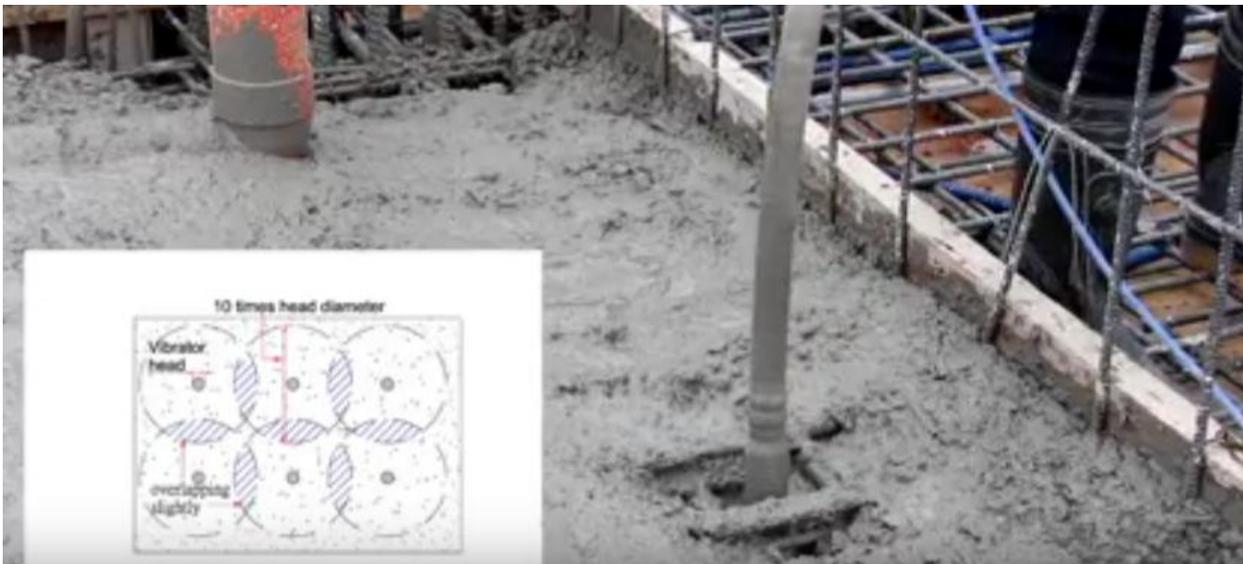
The handle is an ergonomic design which is comfortable to hold, with or without heavy gloves.

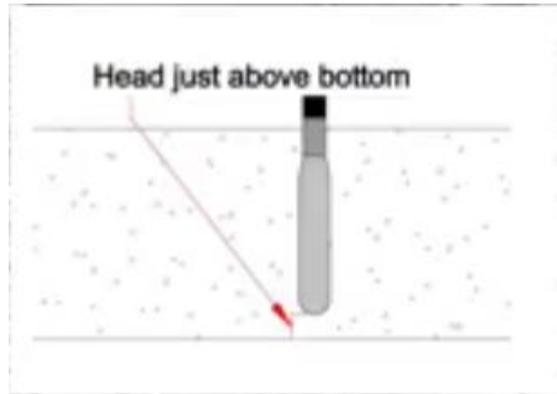


There is a reinforced cable support strap for extra protection of the power supply cable. The controls are very simple to operate. Just plug in and press the large rocker switch to turn it on or off.



The area of effect is roughly ten times the head diameter and slightly more than the head's height. So for ideal compaction the head should be inserted at regular and slightly overlapping intervals.





The head or poker should be inserted until it is just above bottom (contacting the bottom will lessen the effect.)



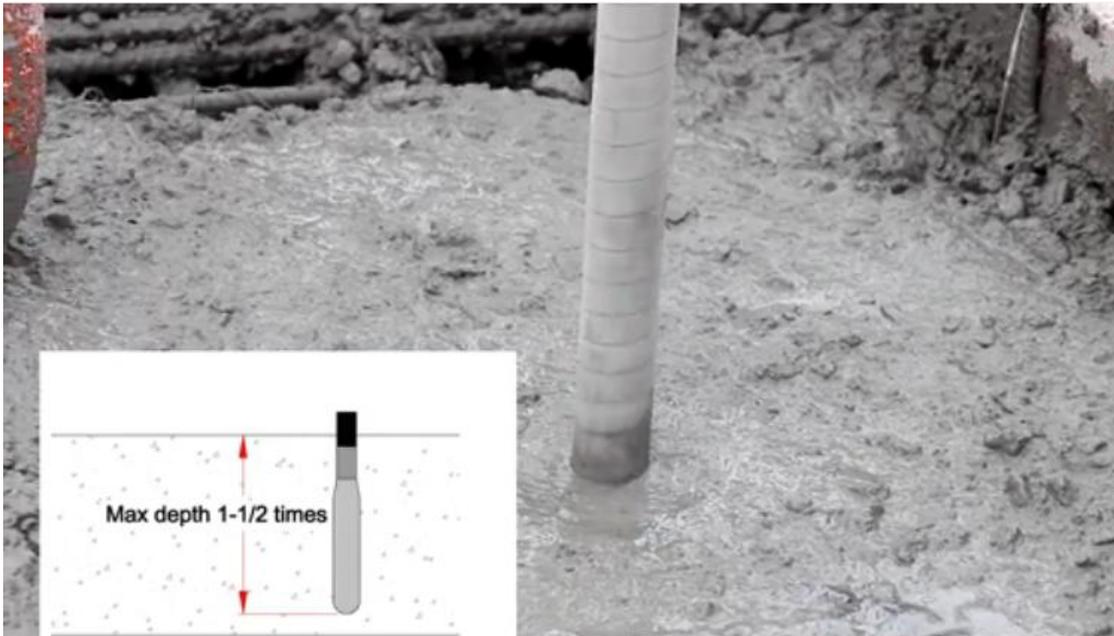
Avoid vibrating against the rebar. Keep a distance of at least 50mm or more.



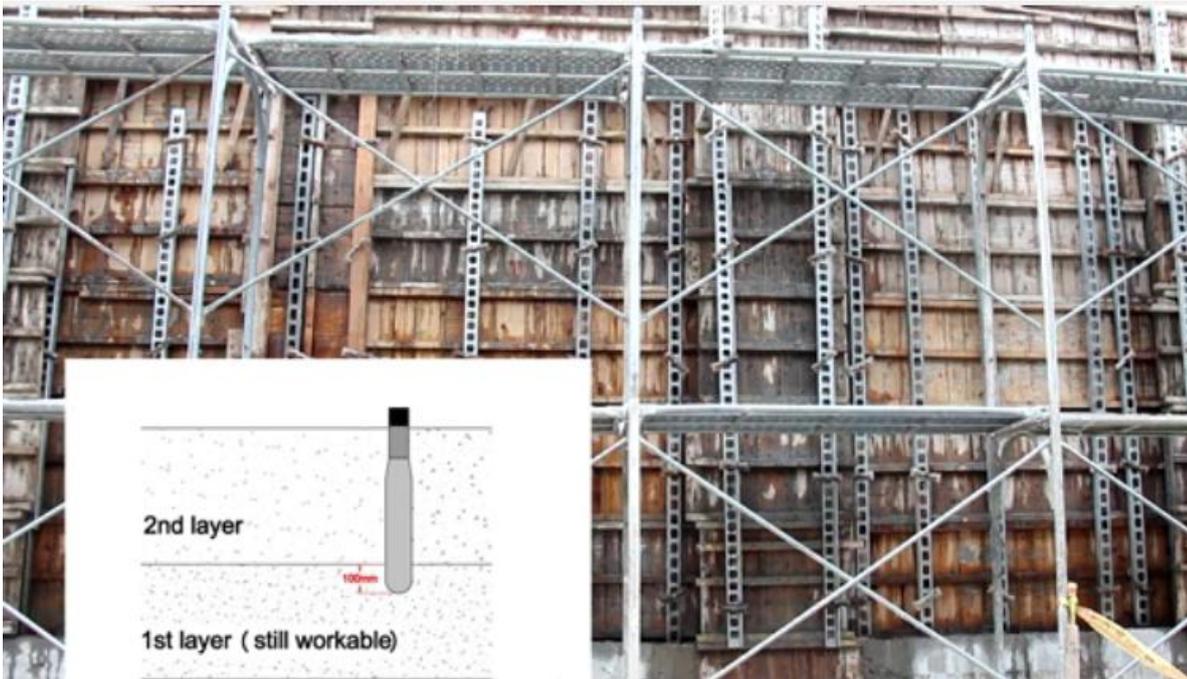
Do not vibrate longer than is necessary a few seconds per area is sufficient to liquefy the mix and remove the air.



Remove the head slowly and smoothly allowing the hole to fill in behind it. Removing too quickly will leave behind a void in the concrete.



Do not pour more than about one and half times the head length at a time (roughly 500 mm)



Deeper pours will require multiple layers pour the subsequent layer while the layer below it is still workable. You should vibrate about 100mm into the previous layer to ensure that they are well integrated. Deep structures like walls should usually be compacted using external vibrators.



Easy clean, use water will be ok.

Specification:

Model No.	HY-H42S	HY-H42
Voltage	100-250V 50-60Hz	100-240V 50-60Hz
Vibration Rate	12,500 vpm	12,500 vpm / 400Hz
Power output	500W	500W
Motor Frequency	400Hz	400Hz
Centrifugal Force	1814N	1814N
Vibrator Head size	ø42 x 300mm	ø42 x 300mm
Shaft Length	ø36mm x 0.85M	ø36mm x 6M
Protection	IP X7	IP X7
Protection Class	Class I	Class I
Switch	On/ Off	On/ Off
Switch box Dimensions	250mm x 60mm x 170mm	250mm x 60mm x 170mm
Power supply cord	VCT(600V)2.0x5Cx15.2M <PS>E cable CR2P-07APNS-00(male)	VCT(600V)2.0x5Cx15.2M <PS>E cable CR2P-07APNS-00(male)
Standard accessories	N/A	N/A
Carton dimensions / Cuft	720mm (L) X 285mm (W) X 110 mm (H) / 1 set per carton / 0.8'	670mm (L) X 670mm (W) X 110mm (H) / 1 set per carton / 1.74'
N.W. / G.W.:	5.17 kgs (11.37 Lbs) / 9.5kgs (20.90 Lbs)	10.05 kgs (22.11 Lbs) / 15.58kgs (34.27 Lbs)
Packed	Carton	Carton
Certificate	CE , CB & EMC	CE , CB & EMC