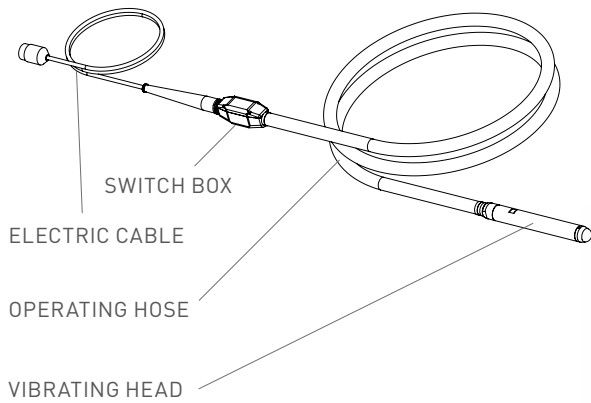




VH - Electric high frequency internal vibrators



MODEL	HEAD DIAMETER	HEAD LENGTH	HEAD WEIGHT	TOTAL WEIGHT*	CF	RATED CURRENT**	RATED POWER (42V)	ACTION DIAMETER***	AMPLITUDE	NOISE LEVEL	COMPACTION POWER***
	mm	mm	kg	kg	N	A	kW	cm	mm	dB A	m³/h
VHN 38	38	404	2.4	10.6	1,700	8	0.5	45	1.8	70	20
VHN 50	50	403	4.4	14.8	3,080	11	0.6	60	2.0	76	25
VHN 59	59	420	6.8	17.4	4,560	12	0.9	80	2.3	76	35
VHP 50	50	468	5.4	16.4	3,760	15	0.9	70	2.1	76	40
VHP 59	59	498	8.2	19.6	5,640	17	1.1	90	2.4	79	45
VHP 65	65	484	9.4	22.4	7,330	24	1.3	110	2.6	79	50

* Packaging included ** Refer to centrifugal force for amperage assessment *** Measurements vary according to concrete quality and thickness

VH - ELECTRIC HIGH FREQUENCY INTERNAL VIBRATORS

APPLICATION Concrete compaction

DESCRIPTION High frequency internal electric vibrators for concrete consolidation characterised by high performance consistent speeds, and remarkable resistance to abrasion

FEATURES

DUTY CYCLE Continuous S1

INPUT 42V-3ph - 200Hz

NOMINAL FREQUENCY 12,000 vpm

INSULATION CLASS F (T° max = 155 °C)

THERMAL SWITCHES Inside the stator. Max T °C = 150 °C

WORKING TEMPERATURE From -20 °C to +40 °C

HEAD Equipped with ball bearings greased for life.
2 bearings (VHN 50 - VHN 59), 4 bearings (VHN 38 and complete VHP range)

Protection class IP68

Hardening treatment for VHN and chrome plating for VHP

SWITCH BOX Polyamide (nylon +30% fiber glass) with gasket, cable protection, yellow colour

IP66 protection

Designed for continuous use and resistant to wear and tear

OPERATING HOSE 5 m SBR rubber hose with inner textile reinforcement

SUPPLY CABLE 10 m neoprene electric cable H07RN-F with 3 pin plug (42V – 3 phase, IP44)

FINISHING VIBRATING HEAD: painted yellow Ral 1007 (VHN), chromed (VHP)
SWITCH BOX: color yellow Ral 1007

CERTIFICATIONS Community Directives and subsequent modifications:
2006/42/EC - 2006/95/EC

Conformity verified according to the standard documents:
IEC 60745-1, IEC 60745-2-12, IEC 60034-1

OPTIONS Cast aluminium switch box

Rubber cap



Frequency and voltage converters

The internal vibrating needles need to be powered via a three-phase electric line at low voltage, therefore it is necessary to use a voltage and frequency converter.

The electromechanical rotary converters consist of a motor and a generator, which are coupled together. The motor converts the electrical energy into mechanical energy; the generator converts the mechanical energy into electrical energy, thus generating the required voltage and frequency (42 Volt - 200 Hz).

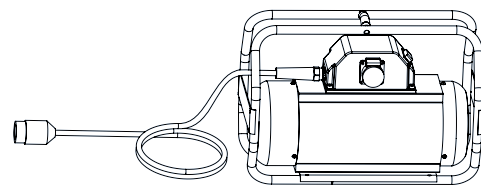
The converters of the CM range are designed to supply simultaneously and in a continuous cycle, one or more high-frequency internal vibrators; they are reliable, durable and do not require maintenance.

The minimal design and the materials used **facilitate the external cleaning**, while the special internal air ducting system **avoids overheating**. The range offers several models, which are **capable of supplying from 1 to 4 immersion vibrators**.



Benefits

- No overheating
- No maintenance
- Optimal cooling
- Easy cleaning



LONG LIFE
OPTIMUM COOLING