

# Vibratory Equipment MVCC



ProSpare



The MVCC series of vibrators in direct current has been designed for use in those situations where network electricity is not present. In particular for hoppers, silos and gate-controls and roll-on roll-off vehicles (concrete mixers, pumps for concrete, plasterers, salt distributors, gravel spreader, fertiliser spreader, hauled silos, industrial sweeper filters). The newly-conceived electric motor, with permanent magnet poles, and the increase in size of the electrical parts, allow constant, high yielding performance. The MF models have a multi-hole fixing base to adapt to different centre distances of drilling.

## Technical features

### Power supply

In direct current at 12 or 24V.

### Conformity with European Directives

Electromagnetic compatibility 2004/108/EC.

### Functioning

Continual service (S1) at maximum declared centrifugal force and electric power. Intermittent services are also possible depending on the type of vibrator and our operating conditions. For detailed information contact our technical assistance office.

### Centrifugal force

Range extended up to 1520 Kg<sub>f</sub>. (14,9 kN), with centrifugal force adjustable from 0 to 100%.

### Mechanical protection

IP 66 according to IEC 529, EN 60529.

### Protection against mechanical impacts

IK 08 according to IEC 68, EN 50102.

### Ambient temperature

From -20°C to +40°C.

### Fixing of the vibrator

In all positions and therefore without restriction.

### Lubrication

Sealed ball bearings, lubricated "for life".

### Terminal box

On MF models it's positioned underneath the vibrator, on the same side as the fixing base.

### Electric motor

Direct current with permanent magnet poles. The rotor is a wound brush-type with collector.

### Casing

In high-tensile aluminium alloy.

### Bearing flange

Constructed in aluminium with steel bearing seat. The geometry of the flange transmits the load to the casing uniformly.

### Motor shaft

In treated steel alloy (Isothermic hardening) resistant to stress.

### Eccentric weights

Enable continuous adjustment of the centrifugal force. This adjustment is facilitated by a graduated scale that expresses the maximum centrifugal force. A patented system (patent N°MO98A000194) called ARS prevents adjustment errors.

### Weight covers

In aluminum alloy for models 3/100-MF, 3/200-MF and 3/500; in AISI 304 stainless steel for models 3/1200 and 3/1500.

Description			Mechanical specifications					Electrical specifications			
Code	Type	rpm	Static moment* kgmm	Centrifugal force		Weight kg	Max input power W	Max. current A		Fig.	
				kg	kN			12 V	24 V		
Direct current	600411	MVCC 3/100-MF	3000	12.0	120	1.19	5.0	100	8.0	4.0	MB
	600428	MVCC 3/200-MF	3000	21.0	211	2.07	6.0	190	16.0	8.0	MB
	600469	MVCC 3/500	3000	49.9	503	4.93	13.1	270	22.5	11.3	A
	600405	MVCC 3/1200	3600	78.0	1130	11.1	20.8	530	-	22.0	A
	600464	MVCC 3/1500	3600	105	1520	14.9	21.5	530	-	22.0	A

\* Working moment = 2 x static moment.



**Master reseller and main stockist of Italtibras G. Silingardi SpA vibrators in UK**

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