



**ProSpare** 

## MUCC



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 Kgf. (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 alluminum 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					Electric			
Direct current	Code	Туре	rpm	Static moment* kgmm	Centrifugal force		<b>Weight</b> kg	Max input power	Max. current A		Fig.
					kg	kN		W	12 V	24 V	
	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	Α

<sup>\*</sup> Working moment = 2 x static moment.



#### **Painting**

Electrostatic surface treatment based on polymerised epoxy polyester powder in oven at 200°C. Tested in salt spray for 500 hours.

#### Other features

All MVCC electric vibrators have been tested in semi-anechoic chamber to verify conformity with the standards and directives on electromagnetic compatibility. The MVCC series is supplied with a special high-resistance synthetic rubber power supply cable measuring 2.5 m.

#### Certifications

### **CESI KIE**

Mechanical protection IP66 (EN 60529), protection against impacts IK 08 (EN 50102)

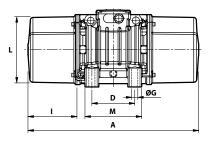


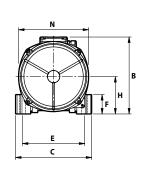
Certificate GOST-R standards GOST 16264.1-85, GOST 16264.0-85

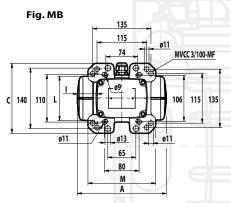


Comply with the applicable European Union directives









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Dimensional specifications (mm)														
Holes												\ \ /1-		
Α	В	c	D	E	øG	N°	F	н	1	1	М	N	P	Cable entry thread
210	146.5	162		See drawing MB		4	25	88	46	103	157	117	82	M20x1.5
267	146.5	162		See drawing MB		4	25	88	46	103	140	117	82	M20x1.5
288	203	167	105	140	13	4	30	82.5	65	145	140	160	-	M25x1.5
308	214.5	205	120	170	17	4	45	93.5	63	168	160	182	-	M25x1.5
308	214.5	205	120	170	17	4	45	93.5	63	168	160	182	-	M25x1.5

\*\* Slot.

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

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