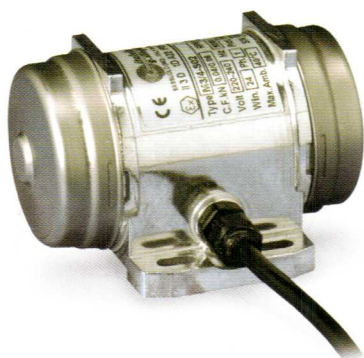


MICRO



The MICRO series has been designed for continual industrial service in processes where a reduced centrifugal force and reduced overall vibrator size are required. MICRO vibrators are used in many applications in feeding, transport, screening, sizing, separation processes, compaction in the automatic machines used in the chemical industry, food industry, pharmaceuticals, packaging and automation in general.

The MICRO series has been conceived to guarantee higher performance in all conditions and environments and complies with the most recent IEC and EN international standards for use in atmospheres with potentially explosive powders. In particular, the MICRO series can be used in area 22.

Technical features

Power supply

Three-phase voltage from 24V to 480V (except M3/4), 50Hz or 60Hz or single phase 110-130V, 220-240V and 24V, 50/60Hz (in the standard single-phase version, the capacitor is already included in a case along the power supply cable); suitable for use with an inverter from 20 to 60Hz to the base frequency with constant torque load profile.

Polarity

2 poles.

Conformity with European Directives

Low Voltage 2006/95/EC, ATEX 94/9/EC.

Reference Regulations

IEC/EN 61241-0, IEC/EN 61241-1, EN 60034-1.

Functioning

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

Centrifugal force

Range extended to 65 Kgf. (638N), with centrifugal force adjustable from 0 to 100%.

Mechanical protection

IP 65 according to IEC 529, EN 60529.

Insulation class

Class F (155°C).

Tropicalization

Standard on all vibrators.

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".

	Description				Mechanical specifications								Electrical specifications				Type
	Code	Type		 II3D Temp. class	rpm		Centrifugal force				Weight		Max input power W 50 Hz	Max. current A 380/480 V 50/60 Hz			
					50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz				50 Hz	
three phase	600449	M3/20-S02	□	100°C	2.0	2.0	20	29	196	284	1.97	1.97	35	0.15		M3/20-S02	
	600450	M3/45-S02	□	100°C	4.5	4.5	45	65	441	638	2.20	2.20	45	0.16		M3/45-S02	
single-phase													220/240 V 50/60 Hz	110/115 V 50/60 Hz			
	600448	M3/4-S02	□	100°C	0.4	0.4	4	6	39	59	0.92	0.92	24	0.13	0.30	M3/4-S02	
	600449	M3/20-S02	□	100°C	2.0	2.0	20	29	196	284	1.97	1.97	35	0.17	0.42	M3/20-S02	
	600450	M3/45-S02	□	100°C	4.5	4.5	45	65	441	638	2.20	2.20	45	0.20	0.46	M3/45-S02	

□ The CSA version can be supplied on request and does not envision supply of the capacitor.