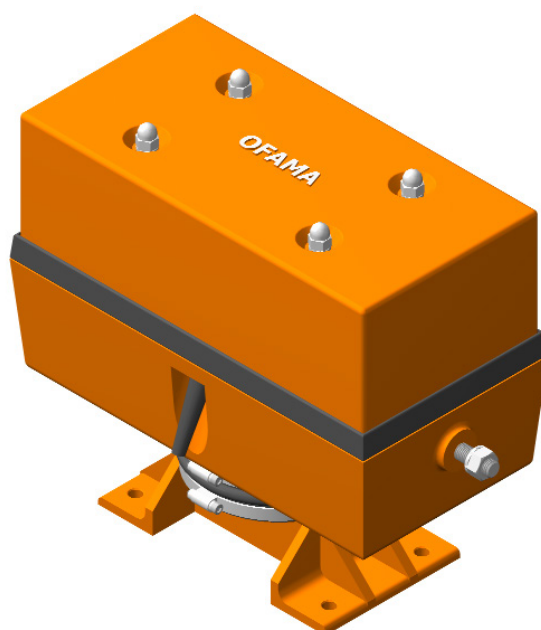


## ***Electro-magnetic vibrator type UOWP***



### **Advantages:**

- stepless adjustment of capacity during operation
- lack of friction elements
- ability of remote control

### **Intended use:**

Electro-magnetic vibrator is designed to induce linear vibrations. It has a wider application as a drive for vibrating feeders and dispensers. The vibrator can also be used for other purposes, such as a drive for vibrating sieves, as a material hang-up prevention inductor in containers and bunkers. The vibrator is characterised by simplicity of stepless capacity adjustment, power supply via thyristor-controller power supplier allowing for adjustment of the output voltage during operation, and thus the adjustment of the vibrator's vibration amplitude rate. Thyristor-controlled power supplier also allows for remote control of processing via the output power. Accurate dosage can be obtained with the use of two switchable ranges of vibrator control, i.e. transport and dosage.

### **Equipment description:**

Electro-magnetic vibrator is comprised of a base for mounting the vibrator to the driven device, body, set of flat springs and an electro-magnet with a keeper. The entire vibrator is enclosed with a cover. The electro-magnet is mounted to the body in which the ends of the spring set are embedded. The centre part of the spring set is screwed with bolts to the vibrator base and electromagnet keeper. An opening of a specific size is obtained between the electro-magnet and the keeper as result of adjustment. The device has no friction elements, thus it is not subject to substantial wear and tear, necessity of performing maintenance or lubrication. Connection of the electro-magnet (via a thyristor-controlled power supplier) to the power network causes vibrations of the keeper and the vibrator's base. The vibration amplitude rate is dependent on the stiffness of the spring set and the voltage rate of the electro-magnet coil.

Technical parameters are presented in the attached table.

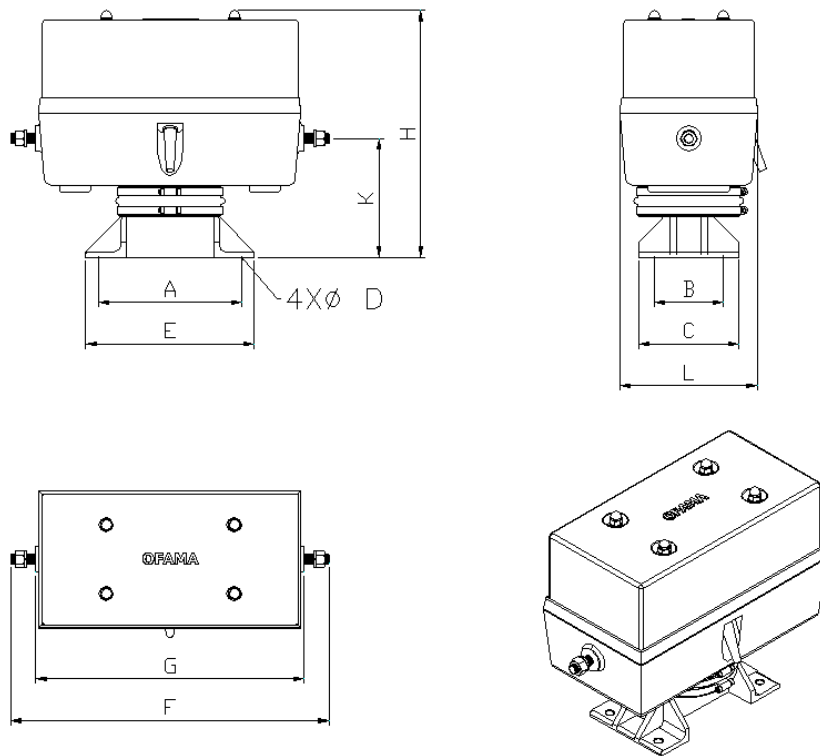
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## Electro-magnetic vibrator type UOWP



### Technical data:

Type	Electrical description			Mechanical description			Overall dimensions (mm)										
	Voltage	Power	Rate	Force	Reactive mass	Total weight	A	B	E	C	F	G	K	H	L	M	D
	V	kVA	A	kN	kG	kG											
UOWP0L	230	0,4	2,5	—	22	50	200	100	240	140	380	320	140	320	175	M16	13
UOWP0	230	0,4	2	—	30	65	230	110	270	160	400	340	170	340	180	M16	13
UOWP1	230	0,55	3,3	0,57	58	100	230	110	270	160	415	430	190	380	230	M16	13
UOWP2	230	1,1	6	1,4	100	195	275	140	325	195	570	500	240	490	270	M20	17
UOWP3	230	2,2	15	3,8	312	550	410	170	480	240	855	800	300	630	350	M30	26
UOWP4	400	4,4	18	12	410	830	420	210	490	280	960	860	300	730	400	M30	26
UOWP5	400	6,6	29	14,7	820	1546	560	320	660	400	1110	970	400	900	520	M36	38

Vibrators can be supplied with an output voltage of 230V, 400V and 500V in accordance to the needs of the Customer.