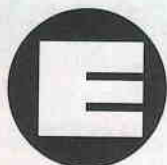




**IMMERSION  
VIBRATORS  
AND CONVERTERS**



**FASTVERDINI**



**EFLUX**  
EQUIPAMENTOS, LDA.

Rua José Bastos 235, 4405-592 VALADARES - V. N. de GAIA  
Tels. 227 169 590 - Fax 227 169 599  
www.eflux.pt - Email: equipamentos@eflux.pt

Quality and technology  
in 50 countries worldwide.

# VIBRATORS

## T27X - T40X

## T55X - T75X

### Ergoviplus range

THE LONG - LIFE RANGE

#### NON STOP POWER

Test Fast Verdini vibrators' power for yourselves. First turn on the vibrator then place the needle with one foot. The Ergoviplus Vibrator continues non-stop without decreasing the number and strength of vibrations whereas other similar vibrators available on the market will stop when put the same test.

The front and the back plugs are screwed to the threaded parts of the vibrating needle instead of being welded, which would otherwise deform the vibrating needle. It is advisable to buy converters equipped with thermal protection instead of vibrators with thermal protection. The best choice would be the converter equipped with a magneto thermal switch, especially when the voltage in the worksite is not stable.



**ERGOVIPLUS RANGE.** Ergoviplus range particular care has been taken during production for the above models in the application and choice of bearings, the type of steel employed, the casing thickness, type of switches (obviously water-tight) and all electrical components. The high frequency motor is built into the vibrating needle (vibration frequency 12.000 per min.) has a length and power highly superior in comparison with other vibrators. The production line includes models T27X, T40X, T55X and T75X with diameters of 38, 52, 65 and 85 mm. respectively.

**THERMAL PROTECTION.** Upon request Ergoviplus vibrators can be equipped with "thermal protection" which preserves vibrators from eventual stator burning caused by excess electrical input or by friction. Burning is more often caused by one or more of the following: **1.** Cutoff of one phase; **2.** Overheating of vibrating needle if left on outside of concrete; **3.** Internal bearing breakage etc. In all such cases "thermal protection" prevents the stator inside the needle from burning the needle.

TYPE	Ø Needle mm.	Length Needle mm.	Hz	V.	No. Vibrations per 1/min.	Centrifugal power Kgs.	Cable length mt.	Hose length mt.	Max m/c yield	Primary Current A	Secondary Current A
T27X	38	315	200 Hz	46	12.000	150	10	5	12÷14	1+2	4
T40X	52	395	200 Hz	46	12.000	400	10	5	15÷20	6+7	11
T55X	65	420	200 Hz	46	12.000	600	10	5	25÷28	12	22
T75X	85	470	200 Hz	46	12.000	1.000	10	5	35÷38	13	32
T40CX	52	341	200 Hz	46	12.000	350	10	4	15÷20	6+7	11

# CONVERTERS

## CONVERTERS

Three-phase from 1,2 - 6,8 KVA and single-phase from 1,2 - 2,5 KVA are available. Single-phase converters are connected with 230V 50 Hz which is then transformed into three-phase 46V 200 Hz. Kit: complete with handle, base support, switch, 1 metre of 4-ply electric cable 1.5 sq.mm. and electrical plug.

Upon request single - and three-phase converters can be equipped with **"thermal protection"** which preserves converters from eventual stator and rotor burning caused by excess electrical input or friction.



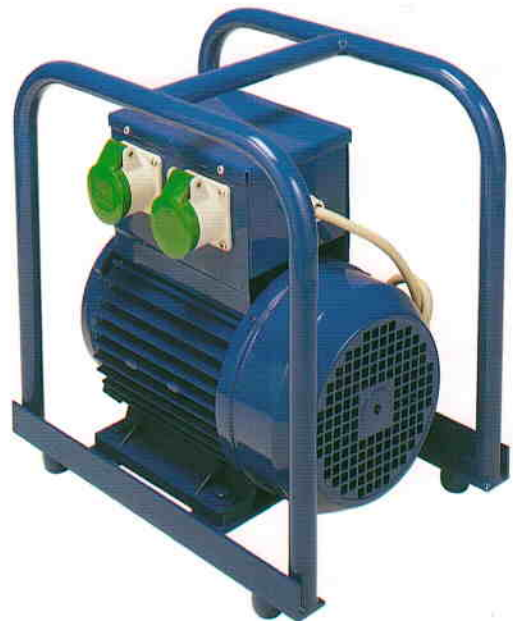
RM 108 / RM 106 / R 101



RM 103 / R 105 - standard without steel frame



RM 102 / R110 - R 112 - R 113 - R 114  
steel frame included



RM 103 / R 105 - on demand with steel frame

# GENERATORS FOR THE ERGOVIPLUS VIBRATORS



**90 G**



**110 G**

THREE PHASE								
Type	Power KVA	Power KW	Entry Current	Exit Current	Primary Current	Secondary Current	Weight kgs	N° of outlets
R101	1,2	1	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	2,1 Amp	14 Amp	17	1
R105	1,85	1,5	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	2,5 Amp	21 Amp	18	2
R110	2,75	2,2	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	3,3 Amp	30,8 Amp	28	2
R112	4,6	3,75	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	5,1 Amp	52,5 Amp	35	2
R113	5,6	4,5	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	5,5 Amp	65 Amp	39	2
R114	6,8	5,5	380/400 V - 50 Hz three-phase	46 V - 200 Hz three-phase	5,9 Amp	79 Amp	42	3
SINGLE - PHASE								
RM108	1,1	0,9	230 V - 50 Hz single-phase	46 V - 200 Hz single-phase	2,8 Amp	13 Amp	17	1
RM106	1,2	1	230 V - 50 Hz single-phase	46 V - 200 Hz single-phase	4,8 Amp	14 Amp	18	1
RM103	1,85	1,5	230 V - 50 Hz single-phase	46 V - 200 Hz single-phase	5,1 Amp	21 Amp	20	2
RM102	2,5	1,8	230 V - 50 Hz single-phase	46 V - 200 Hz single-phase	5,7 Amp	25 Amp	32	2

**GENERATORS.** In the absence of electrical Diesel or supply petrol generator can be used.

GENERATORS WITH DIESEL OR PETROL ENGINE						
Type	Power KVA	Power motor	Exit Current	Amp.	No. of outlets	Weight kgs.
90 G	1,25	4 HP - Petrol	46 V - 200 Hz	16	2	31
110 G	2,5	5,5 HP - Petrol	46 V - 200 Hz	30	2	52
110 G Diesel	2,5	4,8 HP - diesel	46 V - 200 Hz	30	2	67
115 G Diesel	3,75	7 HP - diesel	46 V - 200 Hz	45	2	70



# VIBRATORS

## LVT27

## LVT40

### NEW LVT SERIES

New LVT series have been built with switch separated from the electronic box allowing 15 mt. radius of action.

All you need is a 230 volt single-phase socket and the vibrator will vibrate 12.000 times a minute, doing an effective job yet easy to move around thanks to its light weight. Its construction assures reliable operation with no breakdowns, thanks to the following safety systems:

- > Filter to eliminate disturbances (electromagnetic compatibility).
- > Protection against phase-phase short circuits on output.
- > Protection against phase-ground short circuits on output.
- > Protection against overheating.
- > Protection against power supply undervoltage.
- > Output load limiter circuit.
- > Tested by a European Certification Institute.

### TECHNICAL DATA

- > Single-phase power supply  
1 x 230 Volts 50/60 Hz
- > Three-phase output 3 x 216 Volts  
200 Hz
- > Output power 1.150 V.A.  
3 x A per phase
- > Output waveform sinusoid



MODEL	Needle dia. mm.	Needle length mm.	Input Volts	Output Volts	Input Hz	Output Hz	Hose length	Cable length	Vibrations per 1'	Max Coverage m <sup>3</sup> / h	Centrifugal force Kg.	Weight complete Kg.	Weight needle only Kg.
LVT27	38	315	230	216	50 / 60	200	5 mt.	(10+5) mt	12.000	1514	150	9,5	2,5
LVT40	52	395	230	216	50 / 60	200	5 mt.	(10+5) mt	12.000	1520	400	15	5

# VIBRATORS

## FP28

## FP36 - V9

### Rotoflex serie

PORTABLE VIBRATORS WITH FLEXIBLE

SHAFT ROTOFLEX SERIE DRIVEN

BY V9 ENGINE



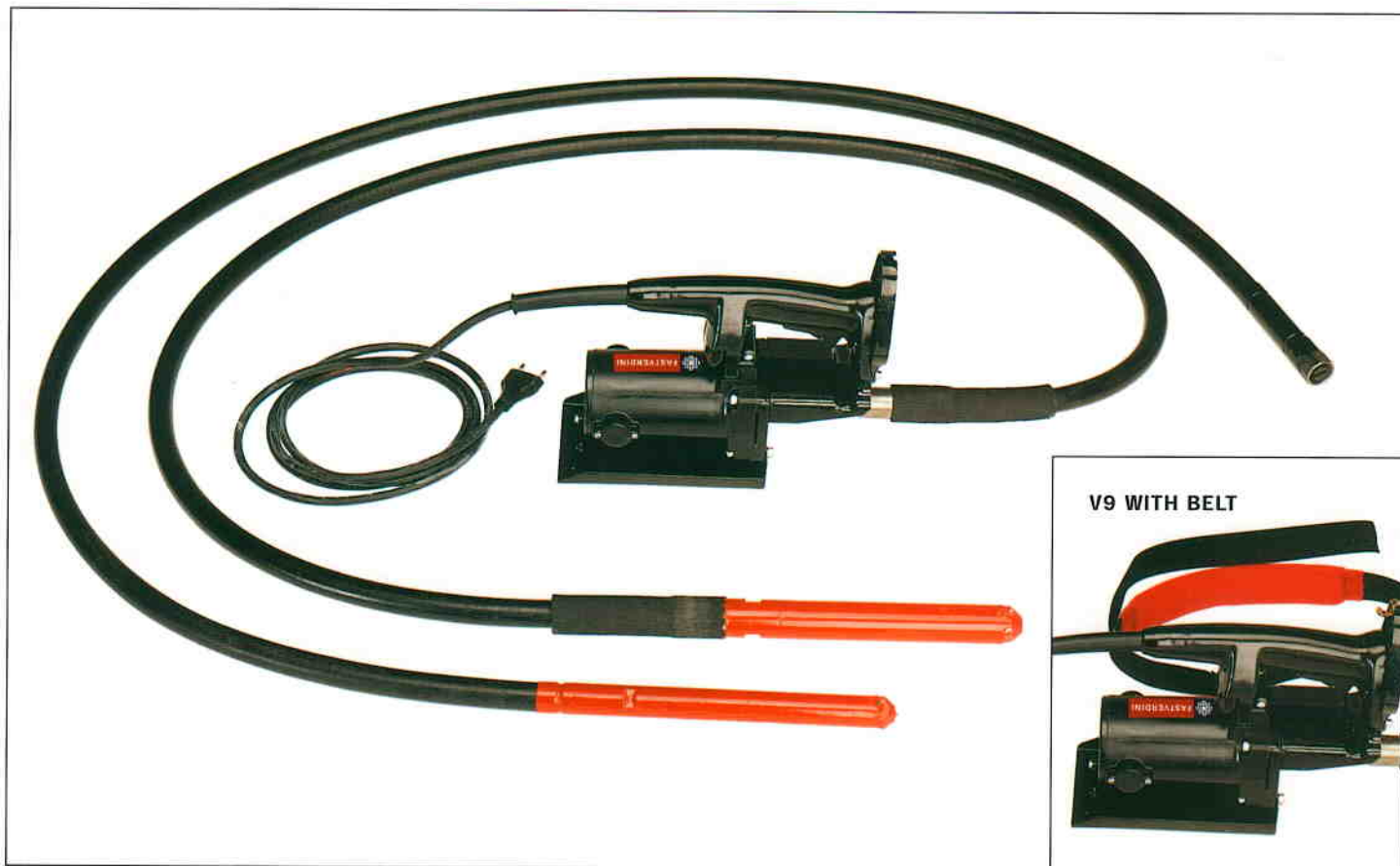
The **Rotoflex Serie** vibrator is powered by a V9 single-phase drive unit, completely insulated from all electrical parts; it powers both models, **FP28** and **FP36**.

Each vibrator is equipped with its own hose shaft, since changing the vibrating head on the hose is not advisable, as the concrete may damage the couplings. In contrast with other, similar vibrators, the end fitted to the motor is mounted on a ball bearing which guides the hose, preventing rubbing against the sheathing.

The handgrip contains the switch, which is also insulated and is fixed to the motor by means of two blocks of rubber, providing insulation against vibrations.

A padded shoulder strap can be fitted for easier transport and handling.

The vibration of FP28 and FP36 models is provided by the rotation of a cam-shaft at 12.000 rpm; in other types of vibrators, vibration is generated by a pendulum shaft turning at 3000 rpm inside a bushing of larger diameter than the shaft, obtaining a reciprocating vibration of 12.000 rpm. This type of vibration gives results decidedly inferior to those offered by cam-shaft vibration.



MODEL	Ø Needle mm.	Length of Flex	Length of the needle	Vibrations/1'	Weight with flex Kg
FP25	25	2,7 mt	320 mm	12.000	2
FP36	36	2,7 mt	320 mm	12.000	3

ENGINE V9				
N. r.p.m.: 12.000 / 1'	VOLTS: 230-50/60 Hz. on demand 115 V.50/60 Hz.	POWER WATT: 1.000	WEIGHT: 4 Kg	DIMENSIONS mm: 320 x 260 x 120

## PORTABLE MECHANICAL SHAFT VIBRATING POKER SERIE FP DRIVEN BY PETROL ENGINE

# VZ35/FP

**VZ35** engine pack, with Honda GX35 4-strokes 1.6 hp petrol engine with handle, shoulder strap hook, base plate with 4 rubber feet and quick coupling for the poker.

The **VZ35** engine pack is equipped with a centrifugal clutch, which facilitates starting and prevents shaft snapping due to sudden torsion.

**FP flexible shaft pokers**, with diameters of mm 25,36 and 42 and hose length of either 2.70 or 4 mt., 8000 vibrations/1'



## PNEUMATIC IMMERSION VIBRATORS

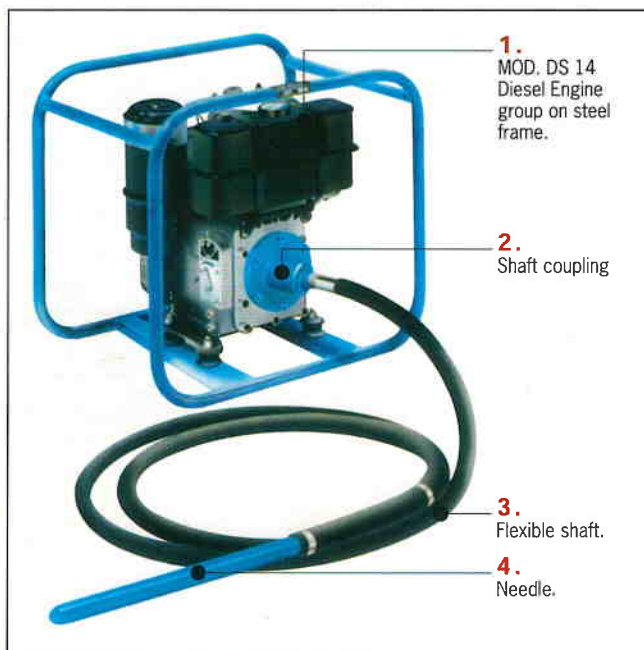
Self-lubricating turbine free function. Control lever.

6 atm operating pressure.

2 mts double rubber tube for air entry and exit with pipe fittings and taps.

TYPE	Ø needle mm.	Length of needle mm.	Air consump. per min.	Vibrations / 1'	Yield
AP38	40	200	400	19.000	mc / h 4 - 6
AP52	55	225	750	18.000	mc / h 8 - 10
AP68	68	300	950	17.000	mc / h 18 - 24

# IMMERSION VIBRATORS SERIE P18



MODEL	Ø needle mm.	Length of flex. shaft	Length of the needle	Vibrations/1'	Flexible r.p.m.
P18	42	6 mt	400 mm.	18.000	2.800 / 1'

MODEL	Motore	Power HP	Protection frame
DS14	Petrol	4	YES
DS14	Diesel	4,8	YES

**Fast Verdini S.p.A.**

Machinery for building and roadwork

61020 Chiusa di Ginestreto

Via dell'Industria - Pesaro (ITALY)

Tel. **+39 0721.481347** (8 linee R.A.)

Fax. **+39 0721.481239**

Export department:

Tel. **+39 0721.481374**

[www.fastverdini.it](http://www.fastverdini.it)

[fastverdini@fastverdini.it](mailto:fastverdini@fastverdini.it)



Rua José Bastos 235, 4405-592 VALADARES - V. N. de GAIA  
 Tels. 227 169 590 - Fax 227 169 599  
[www.eflux.pt](http://www.eflux.pt) - Email: [equipamentos@eflux.pt](mailto:equipamentos@eflux.pt)