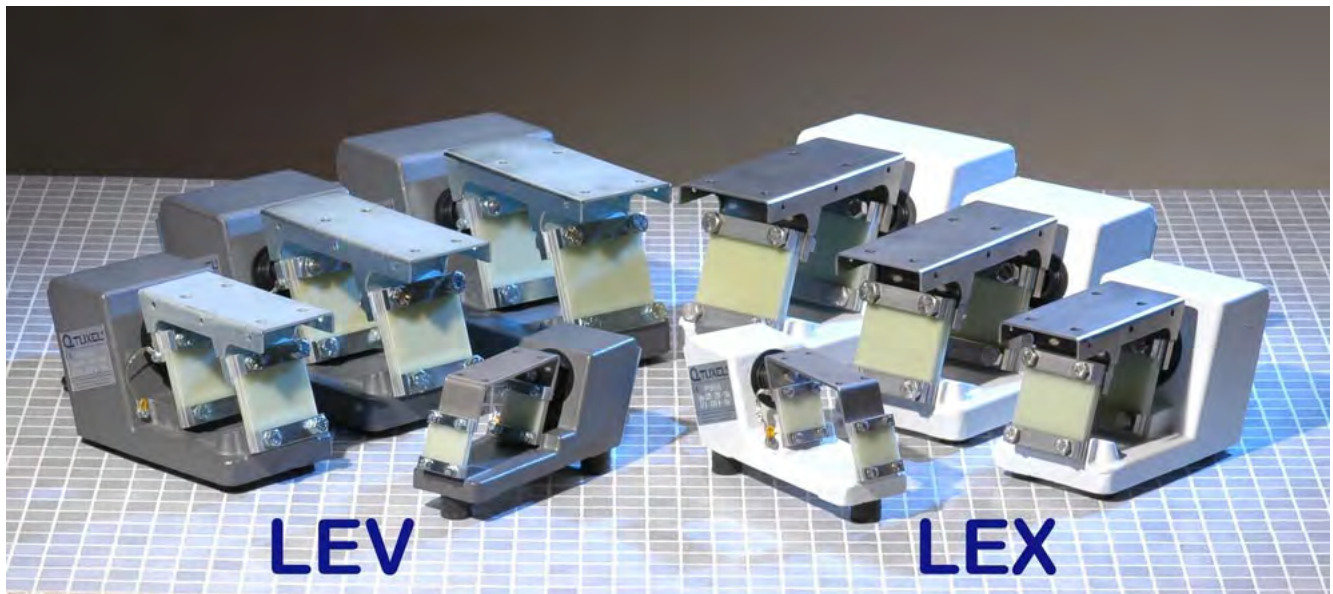


TUXEL - Electromagnetic linear feeder • types LEV, LEX & LES (stainless steel)


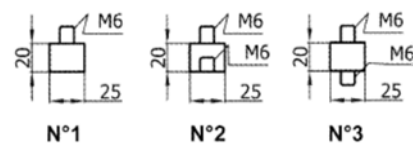
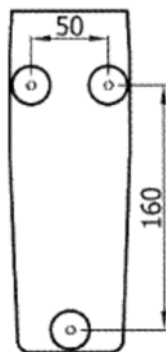
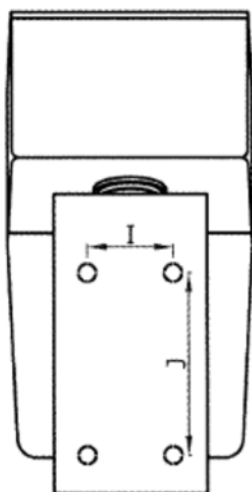
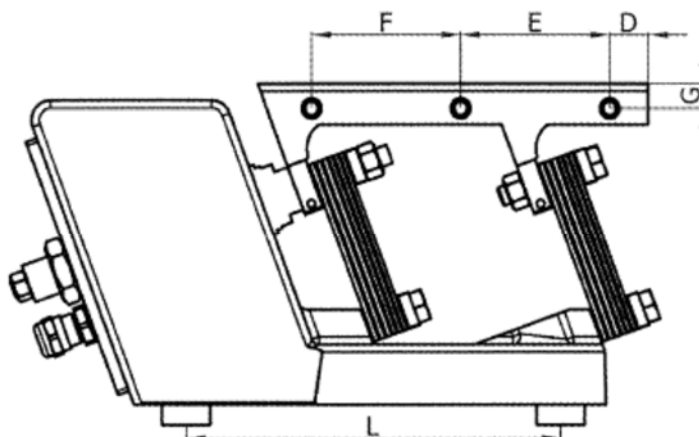
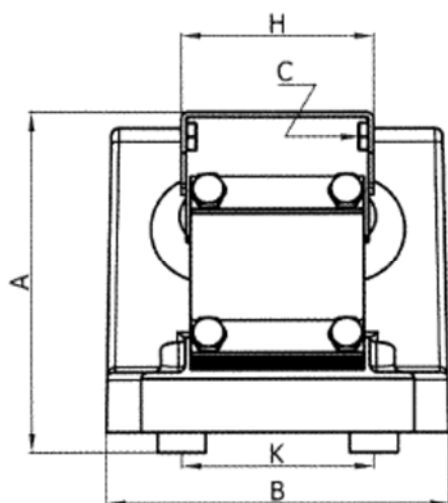
The **LEV**, **LEX** and **LES** conveying drives are prevalently used in the food-, chemical- and üharmacy-Industry:

- Compact construction
- Capsule electromagnetic unit - protection class IP66
- Fibreglass springs with lifelong garanty
- **LEV**-type with standard coating
- **LEX**-type with polyurethane coating (according FDA approval) and all metal parts without coating in stainless steel
- **LES** type with stainless steel housing
- Also available in ATEX II 2 G D / Ex e II T4 & Ex tD A21 IP67 T109°C



Type	Power	Nom. current	Protection
LEV / LEX / LES 1	13 W	0,10 A	IP 67
LEV / LEX / LES 2	37 W	0,25 A	IP 67
LEV / LEX 3	40 W	0,45 A	IP 67
LEV / LEX 4	68 W	0,65 A	IP 67

Weitere Informationen im Internet www.aldak.de .

Dimensions of the electromagnetic units [mm]


Feet of the types
LEV 1, LEX 1 and LES 1

Anti-vibration legs
(No. 2 is standard)

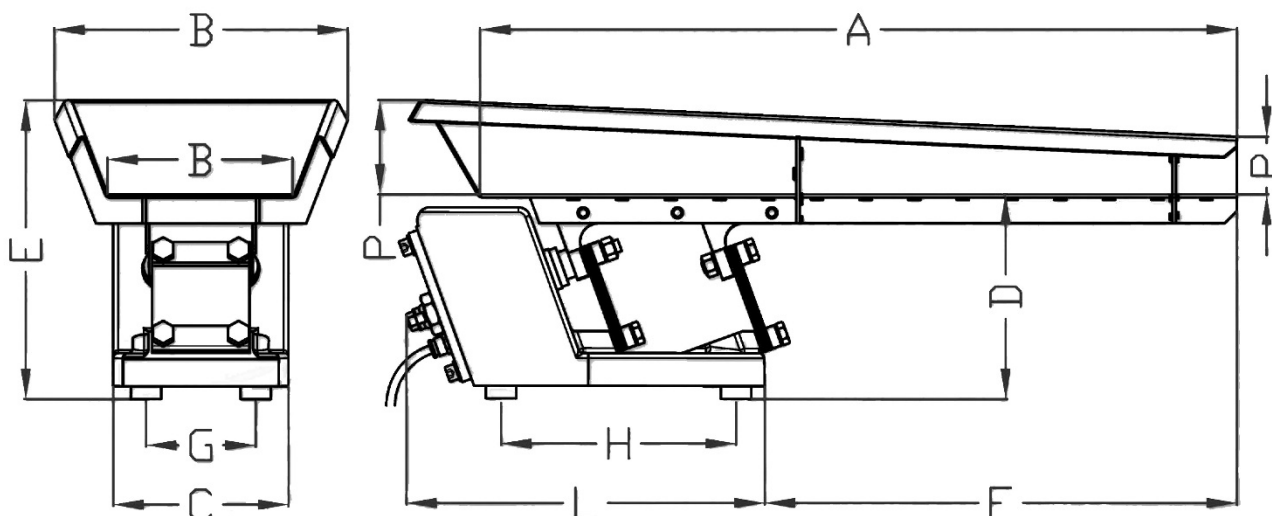
Type	A	B	C	D	E	F	G	H	I	J	K	L	Weight
LE... 1	110 ± 2	75	-	-	-	-	-	40	25	76	s. o.	s. o.	4,6 kg
LE... 2	145 ± 2	122	M8	15	65	50	12	80	45	95	75 80	142	13,1 kg
LE... 3	170 ± 2	144	M10	20	77,5	77,5	12,6	90	45	120	90	193	19,1 kg
LE... 4	175 ± 2	178	M10	20	77,5	77,5	12,6	100	60	120	100 120	195	26,2 kg

Details are not binding.

Weitere Informationen im Internet www.aldak.de.

Dimensions of the standard trays [mm]

TRAY TYPE: Flat bottom - MATERIAL: Stainless steel 1.4301



Type	A	B	C	D	E	F	G	H	L	P	Max. weight of the tray *	Capacity **
LE 1 for LEV/X/S 1	305	93 40	75	118	180	120	50	160	230	50 25	1,5 kg	0,6 t/h
LE 2 for LEV/X/S 2	500	194 125	122	142	202	313	75 80	142	248	60 45	3,0 kg	2 t/h
LE 3 for LEV/X 3	700	241 150	144	168	252	468	90	193	298	80 50	7,5 kg	5 t/h
LE 4 for LEV/X 4	800	301 200	178	180	267	545	100 120	195	310	90 50	10 kg	7 t/h

* Without load

** Calculated on dry sand density [1.6 t / m³]

Other tray types and dimensions available, f. e.:

FLAT BOTTOM
Standard-type - Constant tray width
Vertical or sloped sides, following requested trough section.

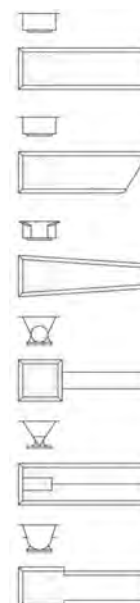
BEVELLENT EXIT
To feed a transport band that is perpendicular to the - equipment trough.

DECREASING WIDTH
To concentrate the material at the point of unloading.

TUBULAR
For dustproof conveyor. - Maximum filling at half-tube.
Slower outputs than those obtained with the other trough shapes.

V-SHAPE
To get a narrow and concentrated material at the point of unloading.

SEMICIRCULAR
Used to transport light and rounded items. - Also with cap.


 Weitere Informationen im Internet www.aldak.de .

Electronic Amplitude-Controller R3F and R5F for Electromagnetic Vibrator

General

Stabilized controller, compact, economic, current till to 3A or 6A RMS.

Voltage 110/230V, 50/60 Hz • 3000/6000 Vib/min • Input ON/OFF • Slow/fast ramp • Reg. vibration min/max.

Application

Regulation of vibrators linear and small circular vibrators till 4 Amps.

Options

Box IP55 (NEMA 4/4X)

R3F



Electrical Characteristics

Tension of Feeding: 115/230 V $\pm$ 5% – 50/60 Hz

Consumption: 1,5 W max

Current Max: 3,15A (R3F) / 6,3A (R5F) (RMS)

Load Min: 50 mA (RMS)

Frequency of Vibration: 3.000/6.000 v/min. (50 Hz) RC-AC

Time of Ramp: 0,2 sec. / 2 sec. (modifiable)

Regulation Min.: 80 V $\pm$ 30%

Regulation max: 220 V - 30%

On/Off: free voltage contact / signal voltage 0/24Vcc (only R5F)

Degree of Protection: IP55 in box

Temperature of Storage: -15°C / $+80^{\circ}\text{C}$

Temperature of Operation: -5°C / $+55^{\circ}\text{C}$

European Norms: EMC CE

Guarantee: 1 year

R3F



Electronic Amplitude-Controller CV6 for Electromagnetic Vibrator

General

Stabilized professional controller, compact, economic, current till to 6,3A RMS.

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 Vib/Min • Automatic input 0/10V-0/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Manual/Automatic

Application

Regulation of vibrators linear and small circular vibrators till 6,3 Amps with automatic input (PLC).

Options

Box IP55 (NEMA 4/4X)

CV6



Electrical Characteristics

Tension of Feeding: (115) 230 V or 400V $\pm$ 20% – 50/60 Hz

Consumption: 1,5 W max

Current Max: 6,3A (RMS)

Load Min: 50 mA (RMS)

Frequency of Vibration: 3.000/6.000 V/min (50 Hz) RC-AC

Time of Ramp: 0,1 sec. / 1 sec. (modifiable)

Regulation Min.: 80 V $\pm$ 30% (230V) 140 V $\pm$ 30% (400V)

Regulation max: 220 V - 30% (230V) 380 V - 30% (400V)

On/Off: free voltage contact/voltage signal 0/24Vcc

Input Consumption Autom. 0/10V: 1mA max

Input Impedance 0-10V/0-20mA: 50 Kohm-50 ohm

Degree of Protection: IP55 in box

Temperature of Storage: -10°C / $+80^{\circ}\text{C}$

Temperature of Operation: -5°C / $+55^{\circ}\text{C}$

European Norms: EMC CE

Guarantee: 1 year

CV6 I



Details are not binding.

Weitere Informationen im Internet www.aldak.de.

Electronic frequency & amplitude - controller:**Types RF4 (controlling of the amplitude via PLC possible (except RF4 PWM IP65)).**

Microprocessor digital professional controller with visualized frequency (optional) • Delay 4 sec max ON/OFF vibrator with sensor NPN/PNP or relay contact • alarm absence pieces (8 sec.) • air blow. Automatic Input from PLC 0/10V-0/20mA • Status Relay. Voltage (110V) 230V, 50-60 Hz • Double Input ON/OFF • Soft/fast ramp • Manual Regulation Amplitude/Frequency (30/80Hz - 80/130Hz) • 3000/6000 V/m • Line input with schuko plug • Vibrator output with connector.

Applications & types

Digital regulation of linear and bowl feeder till 5 Amps. The RF4 PWM allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration.

RF4 PWM POTI IP65	Box with protection class IP65 • controlling of frequency & amplitude with potentiometer or for amplitude automatic input from PLC 0/10V-0/20mA • frequency and amplitude display
RF4 PWM IP20 DIN35	Board for mounting rail 35mm IP20 • controlling of frequency & amplitude with potentiometer or for amplitude automatic input from PLC 0/10V-0/20mA • frequency and amplitude display
RF4 PWM IP65	Box with protection class IP65 • controlling of frequency & amplitude with push button • frequency and amplitude display
RF4 PWM/B POTI IP65	Box with protection class IP65 • controlling of frequency & amplitude with potentiometer or for amplitude automatic input from PLC 0/10V-0/20mA
RF4 PWM/B IP20 DIN35	Board for mounting rail 35mm IP20 • controlling of frequency & amplitude with potentiometer or for amplitude automatic input from PLC 0/10V-0/20mA

Technische Merkmale

Tension of Feeding:: 230V (115V) $\pm$ 5% 50/60 Hz

Consumption: max. 1,5 W

Current Max: 4A RMS

Fuse: double 4A F 250V 5x20 H 1500 A

Load min.: 50 mA (RMS)

On/Off: free voltage contact - signal voltage 0/24Vcc

Frequency of Vibration:: 30÷80Hz o. 80÷130Hz

Controlling Min./Max. (amplitude): 0 - 100%

Input Sensor: NPN/PNP or Free voltage contact

Automatic input for amplitude:

0/10V • 0/20 mA (with 470 Ohm) (not RF4 PWM IP65)

Temperature of Operation: -5°C / +55°C (RF4 PWM/B ... 0°C / +45°C)

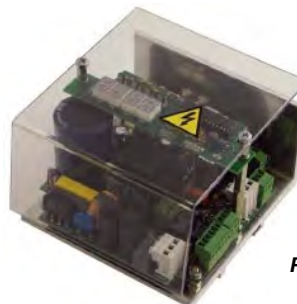
Temperature Of Storage: -10 °C / + 80 °C

Relative humidity: 80% up to 31°C

Altitude: till to 2000 meters

European Norms: EMV CE

Guarantee: 1 year

RF4 PWM IP 20 DIN35**RF4 PWM POTI IP65****RF4 PWM/B IP20 DIN35****RF4 PWM IP65****RF4 PWM/B POTI IP65**

Details are not binding.

Weitere Informationen im Internet www.aldak.de .