



The photo shows the complete system, not only T1-37.

T1-37

WALL ELECTROLIFT FOR DRIP BOX

KEYWORDS

WALL ELECTROLIFT FOR DRIP BOX, IEC 60529, IPX1, IPX2...

COMPLIANCE

T1-37 WALL ELECTROLIFT FOR DRIP BOX is designed and manufactured in compliance with IEC 60529 and many other standards.

http://webstore.iec.ch/preview/info_iec60529%7Bed2.1%7Db.pdf

DESCRIPTION

WALL ELECTROLIFT FOR DRIP BOX T1-37 is intended for positioning of drip boxes to requested height over the test samples, and for fast lowering in case of their exchange or maintenance. Drip box carrying console is hanged on stainless steel string on the electromotor winch, that is controlled by motor controller, and can be is lifted or lowered with adjustable speed (max. 4 m/min). This enables precise dripping height setting.

It consists of two main units:

- Wall tracks with carrying console
- Control unit

The lift is so designed, that it occupies minimum surface in the laboratory. Carrying console and wall tracks are made of special sectional anodized aluminium profiles, that enable: transport in disassembled condition, adapting to installation requirements, reconstruction and adjustments of width and height, ...

Control unit is built in plastic casing with IP 56. It is power supplied from mains through separating transformer with low voltage 42 V and 22 V. Electronic feed back thyristor motor regulation (motor controller) ensures constant motor speed and also consists current limiting circuit that protects motor in case of overloading.

DESIGN

All parts are galvanically protected, sectional anodized aluminium profiles or stainless steel, it is equipped by inscription plates that indicate conformity with IEC standard.

TECHNICAL SPECIFICATION

Power req.:	230 V AC, 50 Hz, 150 VA (other optional)
Max. lifting capacity :	100 kg (BTTO.)
Height:	3000 mm (up to 4500 mm or less than 3000 mm on request)
Width tracks:	720 mm, (or different, depending on which drip box is ordered),
Depth tracks	300 mm
Console on request	(depending on the selected drip box)

MOTOR

Voltage	U=36 V
Power	P=120 W
Speed	3000 rpm
Reduction gear	i=1:148, 20 rpm
Motor controller	electronic, with feed back,

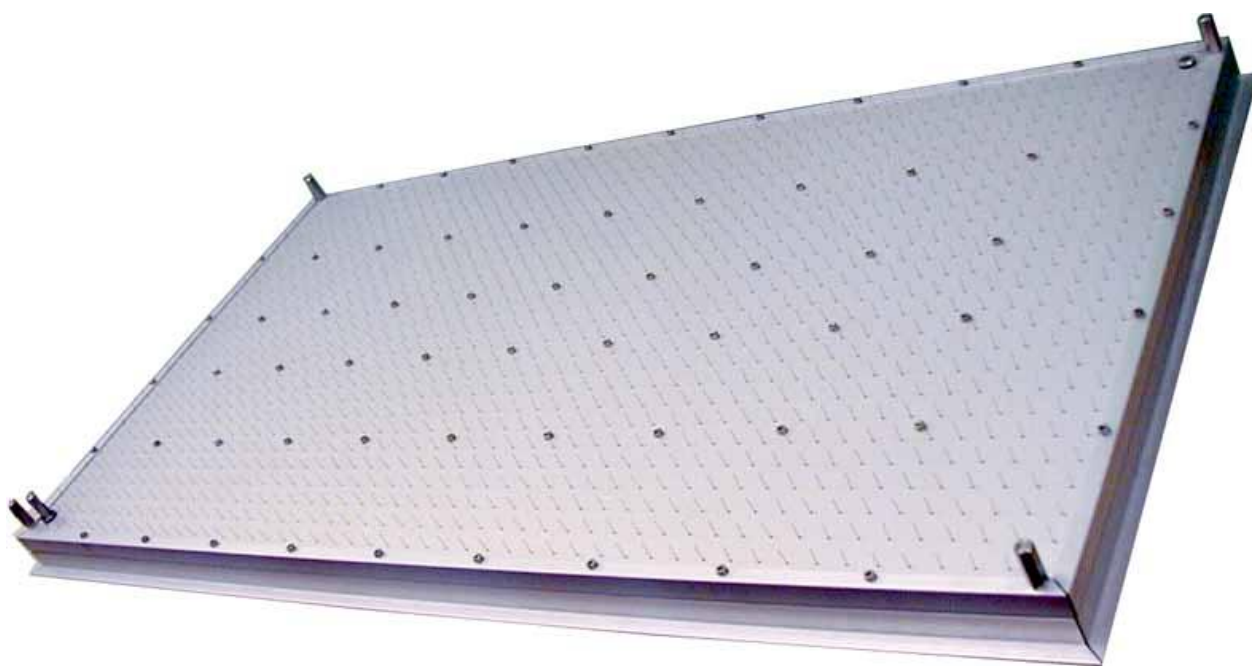
OTHER CONDITIONS

Warranty: 2 years

Support by E-mail: support@testing.si

On line Skype VIDEO Support: Testing_support, matejsimonic

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T1-19, 20, 21, 22, 24, 22x

DRIP BOX

KEYWORDS

DRIP BOX, IEC 60529, IPX1, IPX2 ...

COMPLIANCE

T1-XX DRIP BOX is designed and manufactured in compliance with IEC 60529 and many other standards.

http://webstore.iec.ch/preview/info_iec60529%7Bed2.1%7Db.pdf

DESCRIPTION

T1-XX DRIP BOX is intended for establishing the degree of protection against ingress of water for class IPX1 and IPX2.

FEATURES

- Hermetically closed and to prevented from dust and other causes of nozzle obturation
- Exact setting of water flow (dripping) rate with adjusting of pressure of water with T1 23 WATER SUPPLY UNIT FOR DRIP BOX
- water connector on top for supplying hose connection
- Casing is made of anodized aluminium and stainless steel
- On the bottom surface drip nozzles are spaced 20x20 mm
- Nozzles fast replaceable (in case of jamming or damage)
- Drain off valve for emptying the drip box located on the bottom side
- 100 spare nozzles enclosed
- Nozzles are very simple and inexpensive

T1-19	DRIP BOX 700 x 700 mm
T1-20	DRIP BOX 500 x 500 mm
T1-21	DRIP BOX 500 x 1000 mm
T1-22	DRIP BOX 700 x 1000 mm
T1-24	DRIP BOX 1000 x 1000 mm
T1-22X	DRIP BOX XXX x XXX mm – CUSTOM DESIGN



TECHNICAL SPECIFICATION

width	1280 mm
length	2030 mm
height	100 mm
dripping surface	XXX x XXX mm
nozzle	ø 0,45/0,27x 20 mm - inox
drain valve	ball 3/8"
air release vent	automatic 3/8"
allowable pressure	max. 0,5 bar
design	anodized aluminium, stainless steel

OTHER CONDITIONS

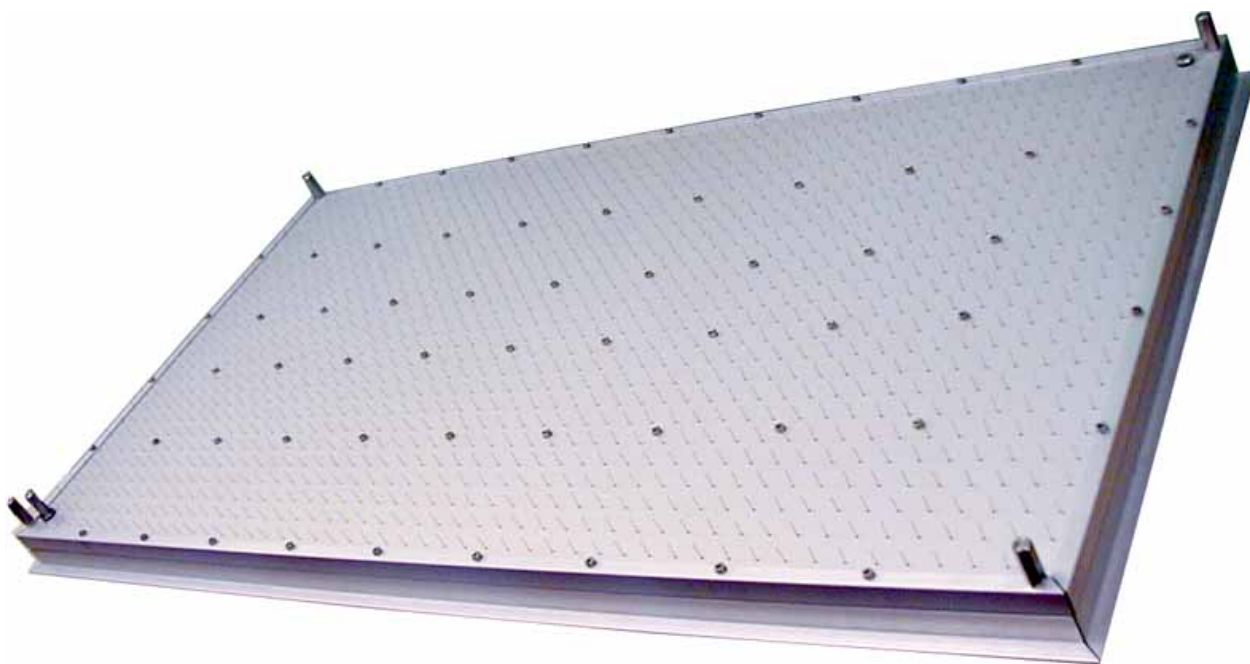
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T1-22x

DRIP BOX 1250x2000 mm

KEYWORDS

DRIP BOX, IEC 60529, ...

COMPLIANCE

T1-22X DRIP BOX is designed and manufactured in compliance with IEC 60529 and many other standards.

http://webstore.iec.ch/preview/info_iec60529%7Bed2.1%7Db.pdf

DESCRIPTION

T1-22X DRIP BOX is intended for establishing the degree of protection against ingress of water for class IPX1 and IPX2.

FEATURES

- Hermetically closed and to prevented from dust and other causes of nozzle obturation
- Exact setting of water flow (dripping) rate with adjusting of pressure of water with T1 23 WATER SUPPLY UNIT FOR DRIP BOX
- water connector on top for supplying hose connection
- Casing is made of anodized aluminium and stainless steel
- On the bottom surface drip nozzles are spaced 20x20 mm
- Nozzles fast replaceable (in case of obturation or damage).
- Drain off valve for emptying the drip box located on the bottom side
- 100 spare nozzles enclosed
- Nozzles are very simple and inexpensive.

DESIGN

All parts are galvanically protected, or stainless steel, it is packed in wooden box that indicates conformity with IEC standard.

TECHNICAL SPECIFICATION

width	1280 mm
length	2030 mm
height	100 mm
dripping surface	1250 x 2000 mm
nozzle	Ø 0,45/0,27x 20 mm - inox
drain valve	ball 3/8"
air release vent	automatic 3/8"
allowable pressure	max. 0,5 bar
design	anodized aluminium, stainless steel

OTHER CONDITIONS

Warranty: 2 years

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The bottom left photo shows the complete system, not only T1-23.

T1-23

WATER SUPPLY UNIT FOR DRIFT BOX

KEYWORDS

WATER SUPPLY UNIT FOR DRIP BOX, IEC 60529, ...

COMPLIANCE

T1-23 WATER SUPPLY UNIT FOR DRIP BOX is designed and manufactured in compliance with IEC 60529 and many other standards.

http://webstore.iec.ch/preview/info_iec60529%7Bed2.1%7Db.pdf

DESCRIPTION

Water supply unit T1-23 is intended for separating of precisely supplied water test devices from oscillations of pressure in water installation and oscillations of voltage in electric installations. It is mainly intended for supplying water to drip box. It enables regulating the water pressure, the flow of water, duration of test and selecting between supplying of drip box (IPX1 and IPX2 tests) or other water devices.

It consists of Electric unit and Panel with water elements.

Electric unit consists of: mains elements and control elements (supplied from transformer by 24 V AC), time relay and frequency transformer (motor controller) for controlling electromotor of water pump. On the bottom side of electric unit is located control output (connector) with voltage free contact. It can be used for remote control of turntable or for turning the tested sample on and off by means of relay switch.

On panel with water elements are located water pump, vessel with level valves, valves for water flow regulation and control, pressure gauge and flow meter for its measuring, overpressure protective switch for protection of drip box, and filter to reduce possibility of nozzle obstruction.

Water comes from installation through hose connector into the vessel with level valves that maintain the water level in the vessel. When unit is activated pump pumps the water from the vessel and passes it through valves and partially returns it through the by pass valve into the pump. The rest of the water is supplied through the flow control valve, overpressure protection switch, filter, flow meter and hose connector to the drip box. During pump operation, pressure gauge shows water pressure on the output from the pump.

In case of incorrect adjustment of valves the water pressure could increase so much to cause damage on drip box. To avoid this damage the overpressure protective switch has been built in. It switches the pump off in case that pressure reaches 1 bar.

By three way valve the water flow from the pump can be redirected to output valve for supplying other water devices. In this case water flow is directed only through pressure gauge that shows the output pressure.

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DESIGN

All parts are galvanically protected, or stainless steel, it is equipped by inscription plates that indicate conformity with IEC standard.

TECHNICAL SPECIFICATION

- Power requirements
U=230 V, 50 Hz, P=420 VA (other optional)
- Water supply
p=1,5 bar minimum
hose conn. 1/2"
- Electric water pump
U=3 phase 230/380V, 50 Hz, P=0,37kW (other optional)
pmax=3,5 bar
Qmax=48 l/min
design - inox, IP 54
- flow meter 20 - 200 l/h (other optional)
- pressure gauge 0 - 2,5 bar, ø 100, 1/2"
- ball valves - inox 1/2"
- over pressure protection 1 bar
- level vessel - volume 6 - 10 l
- filter 1/2" - < 0,1 mm

OTHER CONDITIONS

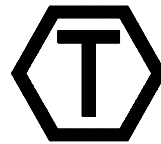
Warranty: 2 years

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T1-25

TURNTABLE

KEYWORDS

TURNTABLE, IEC 60529, 60335-1, IPX1, IPX2, EN ,GB.

COMPLIANCE

T1-25 TURNTABLE is designed and manufactured in compliance with IEC 60529,...

INTRODUCTION

T1-25 TURNTABLE is intended for determining the degree of protection, against ingress of water, IPX1 and IPX2. TURNTABLE is apparatus that is intended for rotating the sample, in different kinds of water tests.

DESCRIPTION

The apparatus consists of framework made of stainless rectangular tubes, sample carrying plate made of water resistant plywood and its electromotor drive with reduction gear. The apparatus is equipped with four swivel rollers with breaks on bottom side and with for upper plate carrying rollers.

All components are made of not rusting or galvanically protected materials.

Electromotor is supplied with 36 V DC through electronic controller and separating transformer.

Electric circuit and protective transformer are located in water proof plastic casing that should be mounted on a wall. On the front plate of this control unit are located mains switch, mains signal lamp, START push button, STOP push button, connector for connection to external remote controlling of rotating, knob for rotating speed regulation, and switch for selecting of circular or swivel mode of operation. Swivel mode (reverse of direction after each 350°) should be used when tested sample must be power supplied during the test.

It is also equipped with connector that enables this apparatus to be controlled by WATER SUPPLY UNIT FOR DRIP BOX or by MOTOR DRIVE FOR SPRAY APPARATUS (R max. 1000) so that it automatically stops rotating after the test is finished.

Sample carrying plate is so designed that telescope support T1-35 can be put on it.

DESIGN

Basic framework is made of stainless steel sectional AISI 304 (DIN W. No. 1.4301 X5CrNi18-10) http://en.wikipedia.org/wiki/Stainless_steel. Upper plate is made of water resistant resin bonded cellulose laminate.

TECHNICAL SPECIFICATION

Line voltage	230 V, 50 Hz (other optional)
Power consumption	cca. 270 VA
Separating transformer protective	220/42/24 V, 250 VA
Motor	0-36 V DC
Operating modes	circular, swiveling
Carrying capacity	200 kg
Dimensions	
Sample carrying plate diameter	1000 mm
Height	250 mm

OTHER CONDITIONS

Warranty: 2 years

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DV-20S

WATER DISTILLER WITH DOSING PUMP

DESCRIPTION

Water distiller with dosing pump has been developed to enable cleaning of DRIP BOXES after performing IP tests. Normal network – tap water can be flushed by distilled water and by that the formation of calcium crystals inside dripping nozzles is prevented/minimized. This prolongs the lifespan of drip boxes.

Modern construction of the device enables easy use and safe working. The construction is completely made of stainless steel, which guarantees easy maintenance and long life.

The distiller works fully automatically. The water level in evaporation tank is maintained automatically in case of water supply failure, heaters are switched off by the over-temperature shut-off device.

The over temperature shuts-off device also switches off when heaters should be cleaned.

When distilled water tank is full the water flow and heaters are switched off automatically. The distiller only starts with the production of distilled water when water level in the tank drops to almost half.

If anything goes wrong with the water supply the distiller is equipped with water overflow system to drain, so there is no overflow hazard.

Distiller water drain with valve is only used if some distilled water is used for other purposes.

Installation is very simple and easy - can be done by the user.

Preventive maintenance: Only cleaning required, can be done by the user.

PURPOSE AND SAFETY

Distiller is designed and manufactured for use in laboratory and is not designed for non stop use, due to the electrical coil heaters.

The distiller is equipped with all necessary safety elements, such as water overflow, level switches and over temperature shut-off device.

The over temperature shut-off device will turn off the heaters when they are overheating, usually this will happen when heaters are clogged with water stone, cleaning is necessary!

TECHNICAL SPECIFICATIONS

Capacity	20 L/h
Power supply	15 KW / 3 x 400 V - 50 Hz
Cooling water consumption	Approx. 160 L/h
Water conductivity	4 – 5 μ S/cm
Distilled water tank	40 L
Dimensions	580 x 385 x 1000 mm (WxDxH)

OTHER CONDITIONS

Warranty: 2 years

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