



STIRRERS
D-13 / D-14 / D-15 / D-15BR
INSTRUCTION MANUAL

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Marked 

DINTER^{sa}

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GENERAL INTRODUCTION

The following considerations have as purpose to guarantee a correct reception and use the apparatus, as well as the security of the user. We recommend to read this manual detailed before proceeding to unpack the apparatus and later use.

- This manual should be conserved permanently within reach of the user.
- To unpack the apparatus carefully. Check that the content coincides with the packing list. Notify any eventuality immediately.
- For the correct conservation of the apparatus it is necessary to avoid their installation in areas with corrosive atmospheres or exposed liquid splashes.
- To avoid the use of the apparatus when the possibility exists to generate mixtures of explosive and inflammable gases.
- The European norm for use 89/655/CEE it exempts the maker all responsibility when it lacks an appropriate maintenance or there is alteration or change of some component.
- The apparatuses that are sent to the Technical *DINKO Instruments* Service they will be perfectly clean and disinfected. Otherwise, they will be rejected and returned with freight in charge of the owner.

<u>Packing list</u> - Description	Code	Quantity
Stirrer D-13/14/ D-15	1.8000.00 or 1.8000.15 or 1.8001.00 or 1.8002.00	1
Stirrer D-15BR	1.8002.15 or 1.8002.14 or 1.8002.13 or 1.8002.12	1
Control module		1 (for D-15)
Allen key		1
Power pack	1.0066.09	1 (for D-13 and D-14)
Stand type A, 260 x 260 mm	1.8003.00	1*
Clamp, double for D-13, D-14 and D-15	1.8000.09	1*
Support rod stainless steel 600mm long x 12mm Ø	1.8003.01	1*
Stand 300x150 mm, complete	1.8003.06	1*
Cable		1
Manual of instructions		1
Warranty		1
* Optional		

DESCRIPTION

The *DINKO* stirrer is provided of very silent sealed motors requiring minimal maintenance, permanently lubricated with protection to overloads.

The electronic speed control is progressive and precise with high torque even at a low speed.

Unit is encased in all plastic housing of reduced size and closed for the protection against gases and liquids. An integral 225 x 12mm diameter rod is fitted so that stirrer can be easily mounted to a support stand. The stirrer shaft is interchangeable.

The speed control is by modifying the output voltage of power pack among the 7 positions of the selector: 3 / 4,5 / 6 / 7,5 / 9 and 12 V while in the D-15 and D-15BR model by an external continuous regulation module with retractile cable.

SPECIFICATIONS

STIRRER Model D-15

For liquids of medium viscosity. Maximum volume of mixing: 15 litres. Adjustable speed: 100 to 3.400rpm. Stirrer weight:

1Kg Control module weight: 300g. Stirrer size, without rod: 175mm high x 60mm Ø

Rod size: 225mm long x 12mm Ø. Control module size: 150 x 150 x 70mm. Operation: 240V 50/60 Hz.

Code 1.8002.00

STIRRER Model D-15BR

Model D-15BR of low speed. For liquids of medium viscosity. Maximum volume of mixing, 15 litres. Continuous regulation module with retractile cable. With stirrer shaft to select. Size like D-15 model stirrer

From 0 to 5rpm. **Code 1.8002.15**

From 0 to 10rpm. **Code 1.8002.14**

From 0 to 80rpm. **Code 1.8002.13**

From 0 to 150rpm. **Code 1.8002.12**

From 0 to 300rpm. **Code 1.8002.10**

STIRRER Model D-14

For liquids of medium viscosity. maximum volume of mixing: 15liters. Selector of 7 speeds maximum 3.400rpm. Torque: 35Ncm. Stirrer weight: 1Kg. Stirrer size: 175mm high x 60mm Ø. Rod size: 225mm long x 12mm Ø, included. Operation: 240V 50/60 Hz.

Code 1.8001.00

STIRRING SHAFTS for models D-14, D-15 and D-15BR

Stirring shaft stainless steel fixed paddle 300mm long x 8mm Ø, 60mm Ø tour.

Code 1.8002.05

Stirring blade stainless steel 300mm long x 8mm Ø, 70mm Ø tour.

Code 1.8002.04

STIRRER Model D-13

Simplified model with selector of 7 speeds, maximum 4.400rpm. Maximum volume of mixing: 2 litres.

Size: 175mm long, 60mm Ø, without stirring rod. Weight: 350g. Rod size: 225mm long x 12mm Ø, included.

Operation: 240V 50/60 Hz.

Code 1.8000.00

Code 1.8000.15 whit external continuous regulation module with retractile cable like stirrer D-15

STIRRING SHAFTS for model D-13

Stirring blade stainless steel 200 x 6mm Ø, 50mm Ø tour.

Code 1.8000.01

Stirring shaft stainless steel fixed paddle 200mm long x 6mm Ø, 40mm Ø tour.

Code 1.8007.07

SUPPORT

Stand type A, 260 x 260mm.

Code 1.8003.00

Support rod stainless steel 600mm long x 12mm Ø.

Code 1.8003.01

Clamp double for D-13.

Code 1.8000.09

Stand 300x150mm, complete.

Code 1.8003.06

OPERATING INSTRUCTIONS

- 1- Make sure that the main voltage is 240V. Place the main switch to OFF position and to rotate the speed know control to left. (Model D-15)
- 2- To install the stirrer rod use the included Allen key. Place the stirrer in the support rod of the stand by means of a double clamp.
Adjust the stirrer position on the recipient of the liquid that should become agitated. Plug the cable in the main.
- 3- Press the switch to ON position. In the D-13 and D-14stirrer select the output voltage of the power pack.
- 4- When rotating the know control speed to right we will obtain the wanted agitation. Regulate to a half level of agitation, avoiding that the whirl to be excessive.

MAINTENANCE- SPARES

The motor and their block don't require grease for there is not maintenance.

Before proceeding to any exam or repair it is necessary to disconnect of the mains. All initiative should be made by qualified personnel to avoid bigger wrongs.



Power pack 12V 400mA for D-13 and D-14. Code 1.0066.09

Power control board for D-15. Code: 1.8002.06

Motor D-15 and D-14. Code 1.0065.05

Motor D-13. Code 1.0065.01

Motor for D-15BR. Code, ask

Note



Disposal of Waste Electrical and Electronic Equipment by users in private households in the the European Union.

This symbol on the product or on the packing indicates that this cannot be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

WARRANTY

WHAT IS COVERED:

This product is guaranteed to be free of defect in workmanship and materials under normal use for a period of one year from the date of purchase by the consumer. During the warranty period, the manufacturer will repair or, at their option, replace at no charge a product that proves to be defective, provided you return the product, shipping prepaid, to an authorized service center.

WHAT IS NOT COVERED:

Instruments subjected to misuse, abuse, neglect or unauthorized repair or modifications will be excluded from this warranty. Also excluded are expendables, consumables. The liability of *DINKO* is limited to repair or replacement and in no event shall *DINKO* be liable for any collateral or consequential damages or loss.

"CE" DECLARATION OF CONFORMITY

DINTER S. A.

DINKO Instruments c/ Encarnació, 123-125 / 08024-Barcelona

Declare that the products mentioned in attached list, to which this declaration relates, comply with the essential safety requirements of the relevant European Directive.

- Low Voltage Directive D2006/95/CEE, of December 12, 2006

- Essential requirements of Annex I of Directive for Machinery 2006/42/CEE, of May 17, 2006

- Electromagnetic compatibility (EC), relative to the Directive for electromagnetic compatibility 2004/108/CEE, of December 15, 2004

- Safety for electrical devices of measurement, control and laboratory use. Requirements concerning to CEM. EN 61326

- Safety rules for the electric devices of measurement, control, and laboratory use. Part I. General requirements EN 61010-1

Mounting and connecting instructions defined in catalogues and technical data sheets must be respected by the user

Name:

Joan A. Bravo

Josep X. Sensada

Position:

Technical Manager

Quality Manager

Signature:



Model: Stirrers D-13, D-14, D-15 and D-15BR

OTHER DINKO APPARATUS

- Colorimeters
- Extractor for mince analysis
- Heater Metallic Blocks
- Heater Plates
- Infrared Ovens
- Kits for Water Analysis
- Magnetic Stirrers.
- Nephelometers
- Orbital Shakers
- Peristaltic Pumps
- Photometers
- Rotary Stirrers
- Sand Baths
- Spectrophotometers
- Stirrers
- Temperature Controllers
- Timers
- Trichinoscopes
- Turbidimeters
- Turn Dishes
- Vacuum Pumps



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