



Volumetric Dispenser for talcum and any other powdery product.

DISPENSER CT-16/360

Catalogue.
Main Technical Specifications
and Equipment.

DOSIFICADORES[®]
garcía fernández





CT-16/360 MAIN TECHNICAL SPECIFICATIONS

System of continuous dosage
Main supply line: (III ~) 220/440 V. 50/60 Hz
Nominal power: 0,5 Kw (0,68 C.V.)
Nominal Amperes: 2,8 A/220 V. 1,75 A/440 V.
Hopper's capacity in litres: 300

Total weight in Kg total of the machine in idle: 135
Transport distance: 5,5 m
Transport height: 4 m
Precision: 95 ± 5 %
Ratio: Above 90/1

MAIN STANDARD EQUIPMENT

Mechanical Safety Equipment

Hopper lid prevention against entry foreign objects
Hopper grille against entry undesirable objects
Electronically controlled self-cleaning system

Electric Safety Elements

Electric components protected with grounded
Short-circuit protection in all lines
Engines overload protection
Low voltage manoeuvring and marking: 24 V.

Drive elements

stop-enclavamiento-marcha (stop-locking-run selector)

Regulation and marking elements

Dosage of product (Programming of 1 by 1 Kg/h)
Product density (Programming of 0,01 by 0,01 Kg/l)
Signalling electronic circuit testing
Signalling of system failure automatic anti-sticking
Signalling engines running
Signalling overload engines

Support Structure Elements

Hopper with grille and self-cleaning system. Strong and light
Four light legs, with great stability. Facilitate the handling of the machine.

Two-door electrical cabinet with lock and key

Special technical plastic conveyor tube for feeding, length 6 metres
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Materials and Finishes

Steel. Anticorrosion treatment: Degreasing, phosphate covering, drying and finally painting with oven-drying. Colours grey RAL 7035 combined with blue RAL 5012 or green RAL 6011. A long-lasting resistance is obtained, with the machine always maintaining a new appearance
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Mechanical elements made of technical plastics, special aluminium and stainless steels
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Certification, Regulation and Guarantee

Each machine is accompanied by European Certificate (E.C.) manufacturer's approval certificate where directives in industrial application guidelines for application and harmonized regulation for compliance. All of the elements are guaranteed, of the highest quality, and meet all the legal requirements in force

UNIT DOSING MACHINE CT-16/360 RECOGNIZED LEADERSHIP



More than 2.000 machines installed around the world
Since 1.983 designing, manufacturing and offering service



The CT-16/360 volumetric dispenser is a machine capable of carrying out 2 jobs: The dosage of any powder product and the its transport to the receiving machine.

Unit dosing installed in olive oil production factory. The product adding point is made, in this case in the first body of mixing.



Machine with strong self-supporting structure. Maintenance-free. Adapts to any installation and is prepared to meet the greatest demands and work condition requirements.

Four dispensers installed in olive oil production factory: Occupying a minimal space, adapting to any need.



All required features to guarantee customer satisfaction. The starting up is carried out by specialized technicians.

Unit dosing machine installed in water treatment plant. The dosage, in this case, is in very small amounts.

OWNER CHARACTER

As many machines will be necessary as products that must be dosed simultaneously at each installation, receiving machines. Occupy little space.

Three talcum dispensers feeding three mass containers which in turn are connected to a pumping station. Feeding of pumping stations with empty hopper sensor.



At the end of the conveyor tube the product dose is added continuously and homogeneously in Kg/hour. The mixture is perfect.

Dosage: It is fundamental that the product dosed with the receiving mass mix perfectly. In this case talcum is added in the second body of a mixer.



The flexibility of the conveyor tube makes possible start up impossible to make with other machinery concepts.

Installation made at the start of the second body of an olive paste mixer. Possibility of start up on any type and model of mixer or receiving machine.



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PARA PROGRAMAR

- 1 ARRANCAR LA MÁQUINA (ENCLAVAMIENTO O MARCHA) APARECERÁ EN PANTALLA LA ÚLTIMA PROGRAMACIÓN SELECCIONADA.
- 2 PARA REGULAR LA DOSIFICACION, PULSAR LAS TECLAS + O - DE Kg/h.
- 3 PARA SELECCIONAR LA DENSIDAD DEL PRODUCTO, PULSAR LAS TECLAS + O - DE DENSIDAD.
- 4 PULSAR ENTER PARA GUARDAR LA PROGRAMACIÓN APARECERÁ EN PANTALLA ACEPTADO.
- 5 SI NO PULSA ENTER PERMANECERÁ LA ANTIGUA PROGRAMACIÓN.
- 6 PARA VISUALIZAR LAS HORAS DE TRABAJO PULSAR LA TECLA ENTER.

PRECAUCIONES CON LA MÁQUINA

INSTALAR LA MÁQUINA BAJO TECHO, LA LLUVIA PODRÍA PROVOCARLE AVERÍAS. SI EL LED ROJO S.D. ESTÁ ENCENDIDO, TRABAJAR EL MÍNIMO TIEMPO PARA EVITAR AVERÍAS Y CAMBIAR LA LAMPARA DEL SENSOR EN EL CAJÓN TRANSPORTADOR. PARA QUE LA MÁQUINA FUNCIONE CORRECTAMENTE DEBE CONECTARSE A TIERRA. NO GOLPEAR LA TOLVA. SI EL DOSIFICADOR NO VA A FUNCIONAR UN LARGO PERIODO DE TIEMPO, DEJAR LA TOLVA VACÍA Y LIMPIA.

CONTROL MOTORES

TRANSPORTADOR DOSIFICADOR

MARCHA SOBRECARGA MARCHA

ENCLAVAMIENTO STOP MARCHA

PRECAUCIONES DE SEGURIDAD DEL OPERADOR

ESTA MÁQUINA DEBE SER MANIPULADA POR PERSONAL CUALIFICADO. ¡PELIGRO! PARA MANIPULAR EN EL INTERIOR DEL CUADRO ELÉCTRICO, DESCONECTAR LA MÁQUINA DE LA CORRIENTE ELÉCTRICA. ESTA MÁQUINA NUNCA DEBE FUNCIONAR CON LAS PUERTAS DE SU CUADRO ELÉCTRICO ABIERTAS. TRABAJAR SIEMPRE CON LAS TAPAS PROTECTORAS DE VIBRADORES, TRANSMISIÓN Y TRAMPILLA DE METACRILATO DEBIDAMENTE MONTADAS. TRABAJAR SIEMPRE CON LA TAPADERA SUPERIOR DE LA TOLVA CERRADA Y SU REJILLA INTERIOR PROTECTORA MONTADA. ESTA OPERACIÓN EVITA PELIGROS PARA LAS PERSONAS Y AVERÍAS EN LA MÁQUINA. ¡MUCHO CUIDADO! NO INTRODUCIR LOS DEDOS, ROPAS, CABELLO O CUALQUIER OBJETO EN SUS PARTES MÓVILES. ¡CUIDADO CON EL MUELLE TRANSPORTADOR DEL TUBO AMARILLO!



ELECTRIC SWITCHBOARD. Quick and easy handling.

Operation, control, signalling and programming.

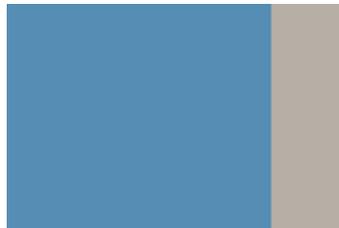
Operational mode selector:

- STOP, machine stopped.
- RUN, machine in continuous operation.
- LOCKING, machine in automatic operation, interlocked with another machine (for example a mill).

Manoeuvring in low voltage for safety: 24 V.

Lock under key for safety.

Colours of finish



Blue RAL 5012 Grey RAL 7035 Green RAL 6011 Grey RAL 7035

KILOS.HORA: 34
DENSIDAD : 0,71

DOSIFICACION

+ kg/h -

+ densidad -

C.P. ENTER S.D.

CONTROL MOTORES

TRANSPORTADOR DOSIFICADOR

MARCHA SOBRECARGA MARCHA

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ACCOURACY: Programming keyboard, signalling and control.

We select the dosages necessary (standard in Kg/h) on the keyboard ("+" and "-"). We select the specific density of the product to be dosed ("+" y "-").

We then press "ENTER" and the programming is confirmed.

On the LCD screen we can view the dosages selected at all times. Likewise, the total number of work hours and the type of electronic board installed are viewed.

Continuous checking of correct operation of the electronic equipment.

Continuous checking of correct operation of the self-cleaning system.

Signalling of engine control: Correct operation and overload of each of them.

THE BEST TECHNOLOGY

CT-16/360

MAIN OPTIONAL EQUIPMENT

Complete machine built of stainless steel for handling of corrosive products
Regulation of dosage in gr/h for very small doses
Regulation of dosage in Kg/pulse (on order the programmed amount is added). Connected to a PC or any machine which orders each dose
Regulation of the dosage in gr/pulse: same as the latter but with very small doses
Mechanical stirrer at bottom of Hopper built of stainless steel for handling of very small doses
Hoppers of up to 2,000 litres capacity for special uses
Hopper accessory for big-bag
Conveyor tube of up to 18 metres in length
Conveyor tube of larger diameter for handling of certain products
Optional height of transport of up to 6 metres with special mechanical device and optional metres of tube
Sensor and alarm indicating empty hopper and/or minimum product level

Mechanical stirrer at bottom of hopper



CT-16/360 EXPORT

Dispenser CT-16/360 special for export
Each export machine is accompanied by spare parts kit for correct trouble-free conservation for many years
Wooden box packaging. Special for air/land/sea freight. With certificates of fumigation, packing cleanliness and origin
Total weight in kilograms of packed machine: 230
Dimensions in millimetres of packaging: 1.440 x 1.300 x 530

TABLE OF DENSITIES AND PRODUCTIONS OF THE STANDARD MACHINE

(The table is summarized; there are 140 more possibilities of regulation because the density is variable 0.01 by 0.01 Kg/l)

Density (Kg/litre)	Minimum Production (Kg/hour)	Maximum Production (Kg/hour)	Density (Kg/litre)	Minimum Production (Kg/hour)	Maximum Production (Kg/hour)	Density (Kg/litre)	Minimum Production (Kg/hour)	Maximum Production (Kg/hour)
0,25	1	94	0,85	6	321	1,45	9	547
0,30	2	113	0,90	6	340	1,50	9	566
0,35	2	132	0,95	6	359	1,55	10	585
0,40	2	151	1,00	6	377	1,60	10	604
0,45	3	170	1,05	7	396	1,65	10	623
0,50	3	189	1,10	7	415	1,70	11	642
0,55	3	208	1,15	7	434	1,75	11	660
0,60	4	226	1,20	8	453	1,80	11	679
0,65	4	245	1,25	8	472	1,85	12	698
0,70	4	264	1,30	8	491	1,90	12	717
0,75	5	283	1,35	8	510	1,95	12	736
0,80	5	302	1,40	9	529	2,00	13	755

OPTIONALLY, OTHER LARGER OR SMALLER PRODUCTIONS ARE OBTAINED

EACH INSTALLATION: PERFECT FOR ITS APPLICATION



The volumetric dispenser CT-16/360 adapts to the type of work and dosage required with its optional equipment. In order to do this, we carefully study each installation and its application so that finally everything is done “to order”.

Unit dosing machine installed in plant for purification and treatment of waste water. Installation in work without the protective building that must cover all of the machinery. In this specific case the dosage is “to order” (in gr/pulse) of chemical products.



Dispensers CT-16/360. Storage with machines in stock, always prepare to deliver our clients immediately.

EACH INSTALLATION: PERFECT FOR ITS APPLICATION

The dispenser needs a minimal space; it can be placed facing the receiving machine or to its side if more convenient. The flexibility of its conveyor tube permits difficult set up. This performance provides savings in space and in costs derived from machinery with more complex concepts.

Typical set up in an olive oil mill at the side of the olive mass mixer, occupying minimal space.



Dosage installation carried out to order, meeting all requirements. Study, project, manufacture and installation..

Set up carried out for snacks and nuts industry. Continuous dosage in Kg/hour to several receiving machines.



Transport of the product dosaged with the CT-16/360 up to 18 metres length and 6 metres height with optional equipment.

Dosage installation of sepiolite in factory of fats and derivatives. The dosed product is added at 10 metres length and at 3.5 metres height..

At your Service

DOSIFICADORES *garcía fernández*® , as manufacturer of machinery and a broad range of dispensers has the means necessary to provide its customers and their machinery the service and care they deserve.

Our facilities are equipped with the technology, machinery and tools necessary so that, along with our qualified personnel, we can provide the appropriate services to satisfy your every need.

Start Up

Depending on the model acquired, the start up is carried out by the customer with the simplest models or by our technical service. When the installation is carried out at the customer's installations, it is carried out by a specialized technician. Likewise the factory personnel are provided with concise explanations, both of operation and maintenance of the machine.

The complete start up consists of choosing the best placement for the device, mounting the conveyor tube correctly and connecting the machine to the supply line which the customer must provide. This takes approximately half a work day.

Specialised and Customised Technical Attention.

We answer all your queries. Your trainer will be one of our team of engineers.

- Enquiries about correct location of the doser and place of addition to optimize the use of the product to be dosed.
- Enquiries about maintenance and breakdowns.
- Any technical enquiry.

Export Department

We are available for you at all times to facilitate any procedural difficulties. We shorten distances with our quality personal care.

Delivery of Spare Parts

All original spare parts are in stock whenever you need them. Service of delivery in the same day that you make your order. We search for the best way and service to carry out deliveries effectively, quickly and at the best price.

Fast, Quality Repairs at the Customer Installations

Our Technical Service is run by professional trained by our company. Original spare parts and suitable tools are always used so that we can guarantee all repairs. Express Service within 24 hours except special cases.

Complete Guarantee

We will be responsible for any possible breakdown or defect which originates in manufacture.

Iberian Peninsula: Covers for a period of 12 months: parts, labour and travel expenses of technical services. In special custom-designed machinery, the particular guarantee period will be indicated, depending on the operating conditions of the machine.

All other countries: Covers parts plus all necessary technical advice.

This is the only one of our services which is rarely used by our customers. This is because quality is important at DOSIFICADORES *garcía fernández*® and because we hope improve our work every day for you.

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F.I.: October 2007.

