



DUO SOLID

Ecological 2-in-1 dilution concept
for automatic dishwashing

SAVINGS ON PRODUCT USE AND OPERATION COSTS

IMPROVED SAFETY

MAXIMIZED FLOOR SPACE

SUSTAINABLE DISHWASHING SOLUTION

THINK SAFE, CLEAN GREEN



CHRISTEYNS

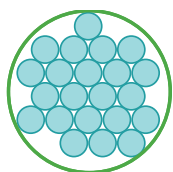
PROFESSIONAL HYGIENE



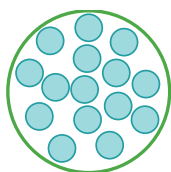
The Christeyns Duo Solid concept is a 2-in-1 dosing concept for dilution of a solid detergent and rinse into automatic dishwashers. The straightforward equipment combined with the qualitative products ensure that clean tableware and kitchen utensils are no longer a concern in your kitchen.

ABOUT SOLIDS

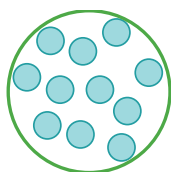
Solid chemicals have a **higher density** than liquid chemicals. This makes them more compact: there are no water molecules 'floating' between the product molecules. **Transportation costs and product use** are therefore reduced. On top of that solids carry **less hazard risks**, making them more **user friendly**.



Solid



Liquid



Gas

ADVANTAGES OF SOLIDS

Due to the solid condition of the chemical product there's **no risk of splashing, spilling** or any other chemical disposure. Cleaning staff never comes into direct contact with the product. Safety is improved.

The compact 5 kg packaging weighs less and is also much smaller in size than traditional liquid chemicals in canisters and is therefore **easier to handle**. The product takes up less space which in turn also optimises the available floor space. A big storage area for canisters becomes redundant.

You **save on product use** because of the highly concentrated product in the solid packaging.

You **save on operation costs** such as handling, transport and warehousing because of the compact and concentrated product.



ONE SOLID CAPSULE
EQUALS 25 KG OF
COMPARABLE LIQUID
DETERGENT. THIS MEANS
80% LESS WEIGHT CARRIED
AND TRANSPORTED.

EQUIPMENT AND SPECIFICATIONS

The Duo Solid system allows dilution of both a detergent and a rinse product in your automatic dishwasher. It is perfectly suited for **tunnel washers** or **top/front loaders** with high rotation. The compact, wall-mounted system is easy to install and maintain. The Duo Solid equipment requires water and electric supplies.



PRODUCTS

Christeyns offers 2 **products** that are compatible with the Duo Solid equipment. The **GREEN'R Autodish Solid** is a highly concentrated, solid detergent suited for cleaning and maintenance of dishware, glassware and kitchen utensils in all types of professional dishwashers. The product carries the **EU Ecolabel certification**. The **GREEN'R Rinse Solid** is used in combination with the GREEN'R Autodish Solid as a professional rinse aid for soft to hard water.

GREEN'R Rinse Solid

- Ultra concentrated acid rinse aid
- Fast and homogenous drying, without leaving traces
- Sparkling finish, preserves the shine of the dishes
- Non-foaming
- pH (20°C): 6 (10%)
- 3.6kg solid capsule (packed per 2x3,6kg)

GREEN'R Autodish Solid

- Alkaline detergent with high degreasing power
- Ultra concentrated formula
- For all water hardness conditions due to balanced amount of sequestrants
- NTA and EDTA free
- Suited for glass and porcelain at recommended dosages
- Not suited for alkali-sensitive materials such as copper, brass, aluminium, rubber, ...
- pH (20°C): 12 - 13 (1%)
- EU Ecolabel certification ES-V/038/006
- 5kg solid capsule (packed per 2x5kg)



EU Ecolabel:
ES-V/038/006

WHY USE A DOSING SYSTEM?

Contrary to manual and hydraulic dosing, **automatic dosing** of your dishwashing products makes sure the fluctuation between the actual dosing and the optimal dosing of the product in the dishwashing tank is minimal. The computer controlled dosing gives a **more accurate and constant product level**.



OPERATIONS & PROCESSES

To ensure **optimal operation** of our products, there are some best practices to take into account during the dishwashing process. Following these recommendations **minimises rewash and thus also increasing costs**. Your Christeyns representative can help you to put this in practice.

- Manually **pre-scrap and pre-rinse** dishes before putting them into the dishwasher
- Make sure dishes are **racked properly**
- Regular **machine cleaning** is required (jets, wash arms, strainer, filter, curtains, ...)
- **Fine tune the dosing amount** depending on the amount and type of soiling of your dishes
- Check if the correct **wash- and rinse temperatures** are met



WASH 60 - 65°C
RINSE 82 - 85°C

THE PRODUCT USE ONLY COUNTS FOR 5%

OF THE TOTAL DISHWASHING COSTS.

THE OTHER 95% CAN BE TRACED
BACK TO WORKFLOW & PROCESSES,
INDIRECT COSTS, MAINTENANCE
AND WATER & ENERGY USE.

SAVINGS

The duo solid dosing concept is not only very practical in use and safe for your employees, there are (both financial and operational) benefits on different levels.



LESS VOLUME

The solid product capsules are very **compact** and take **75% less floor space** during storage and transport. The **concentrated formula** avoids the transport of voluminous diluted products.



LESS PRODUCT USE

The solid detergent and rinse products are highly concentrated and can be **dosed very precisely** due to the specialised equipment. This makes the **product use significantly lower** compared to liquid products.



LESS OPERATION COSTS

The above arguments result in **decreased direct and indirect costs**: less transport costs, reduced warehousing space, economical product consumption. The Duo Solid concept is therefore a **sustainable investment** for your dishwashing process.

MONO SOLID EQUIPMENT

Next to the innovative Duo Solid equipment for detergent and rinse, Christeyns also offers the **mono equipment for solid detergent dosing**. The system can be accompanied with a single pump to dose liquid rinse in your dishwashing flow.



EU Ecolabel:
ES-V/038/006

ALTERNATIVES

For **top or front loading** dishwashing machines with **lower rotation**, other Christeyns solutions are better suited for daily machine ware washing

- CUBOX 10 liter **bag-in-box** products
- 3 liter **product pouches**
- compact dishwashing tabs



“ Automatic dosing systems ensure a more accurate and constant product level in your dishwashing process ”

Check out our products in our e-catalogue:
<http://catalogue.christeyns.com>

Distributed by:



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