

GRANULE SMART[®]

HIGH CAPACITY IN A SMALL SPACE.





PURE POWER.

In a professional kitchen, you can't spend too much time washing up. Granule pot washing machines from GRANULDISK of Sweden give you access to innovative, powerful technology to streamline pot washing. More emphasis on food – fewer resources for getting your pots clean.

Traditional pot washing has always been a laborious, resource-intensive task in any production kitchen. GRANULDISK technology has turned things on their head and revolutionised washing-up areas by making hard work easy. Our PowerGranules® blast the pots clean mechanically using high-pressure water and a small amount of chemical. Even stubborn food debris is removed with ease, and this technology saves energy, time and money while also reducing environmental impact and improving the work environment.

Manual pot washing requires soaking, scrubbing and sinks full of water. The GRANULDISK concept represents something completely different. Our pot washing machines take care of the entire job, thus eliminating the need for pre-washing. We refer to this concept quite simply as "No Pre-Washing". In just a few minutes, your pots are both visibly and hygienically clean thanks to a power similar to the efficiency of thousands of people washing by hand. The overall result is a more productive washing-up area and less of the things which cost money and impact upon the environment.





GRANULE SMART®

Small, smart and high-performance – Granule Smart® has everything, and is particularly well suited to kitchens which have to make the most of the space available.

Every space is valuable in the modern kitchen, and so as much space as possible has to be used for serving customers. Granule Smart® is a very compact machine which saves space and takes up less than 1 m². The smart design of this machine is clear from the fact that the hatch opens out and acts as an integrated loading and unloading table. It also comes with a built-in basket lift which makes it easy to pull out the basket and improve ergonomics.

Even though the Granule Smart® is compact and saves space, it still offers high capacity. This machine is capable of handling up to 180 GN 1/1 per hour and is suitable for producing up to 1 000 meals a day. The entire GN range – GN 1/1 and the range of small containers – can be loaded into the basket, and a simple accessory also allows GN 2/1, grill racks, chopping boards, etc. to be loaded easily. It is also possible to wash pots, bowls and pans.



CONTROL PANEL.

User-friendliness is always a key focus for our control panels and the display, symbols and messages are easy to understand, making it easy to select the correct wash programme. Choose with or without PowerGranules and programme lengths Eco, Short or Normal. When the machine is in use the red indicator is lit and the display changes into a countdown timer, showing the remaining time in large digits.

Wash and rinse tank temperatures are shown in the display at all times and with a simple command, you can view HACCP data for up to 200 of the

previous wash programmes. The display also displays automatic reminders from integrated function GD Memo™ regarding more general maintenance tasks, such as replacing PowerGranules®, changing water in the wash tank or to book a service appointment.



The coloured indicators make it easy to see whether the machine is working (red) or ready for loading or unloading of pots (green).

USB PORT.

The operating system in GRANULDISK pot washers logs all HACCP-essential information for up to 200 wash cycles. The data, containing valuable information such as wash and rinse water temperatures, programme lengths, interruptions and delays is easy to follow up and helps you ensure that your pot wash operation always complies with HACCP protocol.

The cycle data can be accessed and viewed directly via the display in the control panel or downloaded to a USB stick through the built-in USB port in the machine side. Import the data to a computer for storing and for adding it to your HACCP reports.



EFFICIENCY.

GRANULDISK increases efficiency in the washing-up area – one of the most thankless tasks in the kitchen.

ECOLOGY.

Reduce your environmental impact with GRANULDISK – halve your consumption of water, electricity and chemicals.

OUTSTANDING HYGIENE.

We guarantee hygienically clean pots with a surface temperature of at least 72 °C when the wash programme is complete.

ERGONOMICS.

A better work environment and an easier working day – for everyone involved.

EXTRA TIME.

Spend an hour washing up 180 GN 1/1 with Granule Smart® – instead of spending 5-6 hours washing them by hand.

FINANCE.

Investing in a GRANULDISK solution will really pay off – sooner than you think! Our customers normally have a pay-off time of less than 24 months.

POWERGRANULES®

PowerGranules® are specially designed for use with GRANULDISK products. They make your pans and containers visibly and hygienically clean.

PowerGranules® are made of a plastic which has been tested and approved for contact with food. The unique mix of sizes and the composition of the material give you an exceptional removal rate and clean products which shine. The fact is, after using PowerGranules® for a time your pans and containers will shine like new.

10 litres | Art no. 22633 20 litres | Art no. 22634

MAINTENANCE.

Our machines are designed to be cleaned simply and efficiently. That's because we know the importance of daily cleaning for optimal wash results. It's every bit as important to make sure that the machine is maintained with regular servicing, ensuring simple and worry-free use and extending the service life of your machine.

Does any part of your machine need to be replaced? We guarantee spare part availability for at least 10 years once the model has been taken out of production.

TECHNICAL DATA.

Design	With integrated loading table (the hatch opens out to form a table)
Outer dimensions	2034 (± 25) x 1024 x 1315 mm (H x W x D) open
Loading volume	220 litres (ø 700 mm x H 570 mm)
Weight	381 kg (filled machine) 257 kg (empty machine)
Wash tank volume	108 litres
Granule volume	8 litres
Wash water temperature	65 °C
Rinse water temperature	85 °C
Wash programmes with Granules	ECO: 2 min Short: 3 min*** Normal: 5 min***
Wash programmes without Granules	ECO: 2 min Short: 2 min, 30 sec*** Normal: 4 min, 30 sec***
Max capacity per hour	180 GN1/1 or similar in other pots.
Normal capacity per hour	144 GN1/1 or similar in other pots.
Capacity per programme	6 GN1/1 65 mm depth or 3 GN1/1 up to 200 mm depth and 3 GN1/1 up to 65 mm depth, or similar in other pots.
Rinse water volume	4 litres/ECO programme 6 litres/Short and Normal programmes To achieve 3600 HUE in accordance with NSF/ANSI 3, 6 litres is necessary.
Available voltage**	3~ 400 V/50 Hz + PE 3~ 415 V/50 Hz + PE 3~ 230 V/50 Hz + PE
Fuses, hot water connection	25A (400V, 415V), 40A (230V)
Fuses, cold water connection	32A (400V, 415V)
Max output, hot water connection	11,5 kW
Max output, cold water connection	16,5 kW
Wash pump motor	2,2 kW
Rinse pump motor	0,11 kW
Wash tank element*	9 kW, (14 kW (cold water connection)
Rinse tank element*	9 kW, (14 kW cold water connection)
Enclosure rating	IPX5
Sound pressure level	<70 dB(A)
Hot water	½" (DN15), 55–65 °C, 3–10 °dH Note: Reverse osmosis water and distilled water must not be used.
Water pressure/flow hot water	1–6 bar, 15 litres per minute
Cold water	½" (DN15), 3–10 °dH
Water pressure/flow cold water	1–6 bar, 15 litres per minute. With optional steam reduction; 3–6 bar
Recommended ventilation capacity	500 m³/h (without steam reduction) 150 m³/h (with steam reduction)
Drainage pipe	Pipe ø 32 mm
Drain	Capacity requirement 50 l/min The machine must not be placed directly over a drain.
Detergent and drying agent are required	Detergent and drying agent; 230 VAC signal is available from a separate box. Max load total 0.5 A.

* Does not operate simultaneously

** For specific data on machines supplied, please see the rating plate on the machine.

*** 30 sec longer with steam reduction.

Granule Smart® is supplied with a power cable 2 metres long (without a plug) for connection to an approved main switch. The main switch is not included in the delivery.



HIGH CAPACITY.

Washes 6 GN1/1 per programme.
Up to 180 GN1/1 or GN1/2 per hour
(containers up to 65 mm deep).



TIME-SAVING.

Clean pots and pans from 2
minutes - no pre-washing needed.



WATER-SAVING.

The ECO programme saves up to 2 200
litres per day and up to 660 000 litres per
year compared with manual washing-up
in sinks (800 meals per day, 300 days
per year).



SAVING ON CHEMICALS.

Saves up to 4.5 litres per day and up
to 1350 litres per year compared with
manual washing-up in sinks (800
meals per day, 300 days per year).



FOOD SAFETY.

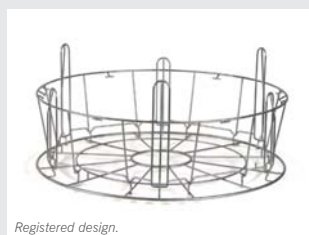
All programmes of the Granule Smart®
pot and pan washer comply with
the hygiene guidelines of the
DIN 10512 standard.

ACCESSORIES.

GRANULDISK always allows you to adapt every solution according to your needs. Choose from our range of smart accessories and further increase the capacity of your machine. www.granuldisk.se shows you how accessories can be loaded with various pots.



www.granuldisk.com/granule-smart-accessories

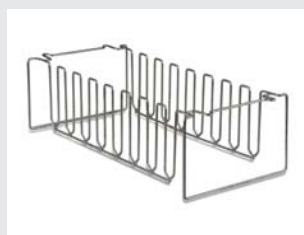


Registered design.

STANDARD WASH BASKET. *

ART NO. 19999

Capacity: 6 GN 1/1 65 mm or 3 GN 1/1 up to 200 mm + 3 GN 1/1 up to 65 mm. Equipped with small hooks which enables up to 12 small containers (1/4, 1/6, 1/9) to be loaded directly into the wash basket.



INSERT FOR TRAYS.

ART NO. 19992

To be placed inside standard wash basket (19999). Holds 2 GN 2/1 or, 6 baking trays 600x400 mm up to 20 mm edge and 2 GN 1/1 sized trays, up to 16 grids, up to 8 chopping boards and GN 1/1 lids.



HOLDER FOR BOWLS & POTS WITH INTEGRATED LADLE HOLDER.

ART NO. 13756

To be placed inside standard wash basket (19999). Capacity: up to 5-6 bowls or pots. Height of ladles up to 500 mm.



Registered design.

MULTIFLEX HOLDER FOR SAUCEPANS, SMALL BOWLS, SIEVES.

ART NO. 20554

To be placed inside standard wash basket (19999). Capacity: up to 3-4 saucepans or up to 4-5 small bowls, sieves etc.



POT BASKET.

ART NO. 21423

Holds 2 large pots (200 mm) or 1 large pot (400 mm). Placed in machine instead of Standard wash basket.



FLEXIBLE POT HOLDER.

ART NO. 13789

Rubber strap with two hooks. Rubber strap to be placed around pot and hooked on to the basket.



GRANULE COLLECTOR. *

ART NO. 21550



HOLDER FOR STORAGE OF ACCESSORIES.

ART NO. 6001159

To store inserts and accessories not in use. Hung at either side of the machine.



SCRAPER. *

ART NO. 21838

For pre scraping.

Accessories marked * are included in the standard delivery.



www.granuldisk.com/marine-edition

MARINE EDITION.

Selecting the Marine Edition customises the Granule Smart® for use on board ships and oil rigs, for example. It has a high capacity in a small space, and while at sea, twin level sensors fitted in the wash tank help to prevent repeated alarms which may interrupt the workflow. The "marine feet" are secured to the floor to prevent the machine tipping over. This machine is also readily accessible for servicing as no servicing is carried out from the rear. The Granule Smart® provides a stable, reliable and safe potwashing solution for marine installations.



INSTALLATION.

A = Water supply: 55–65 °C (cold water optional),
3–10 °dH, 5–18 °f.
1–6 bar, 15 L/min, max 6 bar static.
G 1/2" BSP female, flexible hose min inner ø 9 mm.

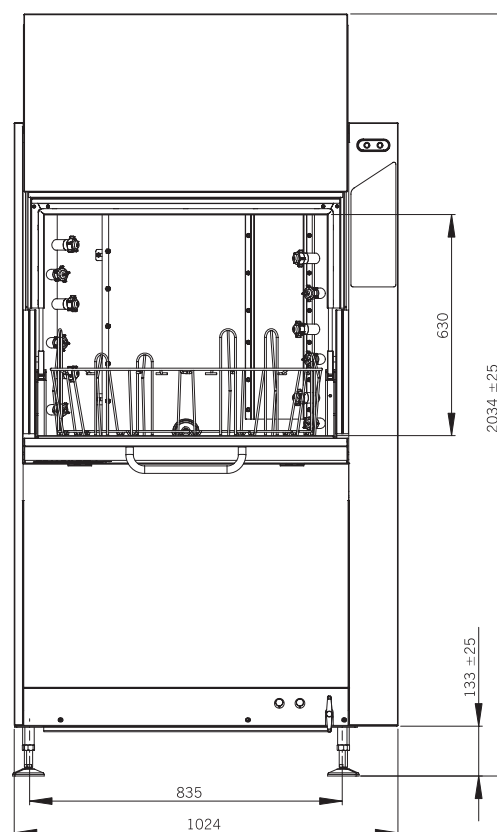
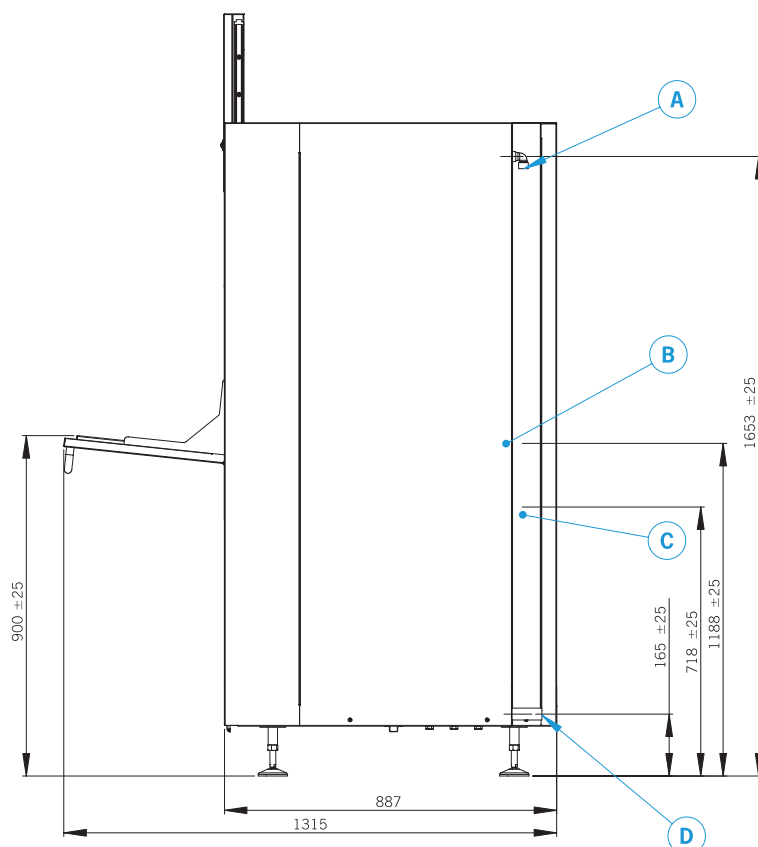
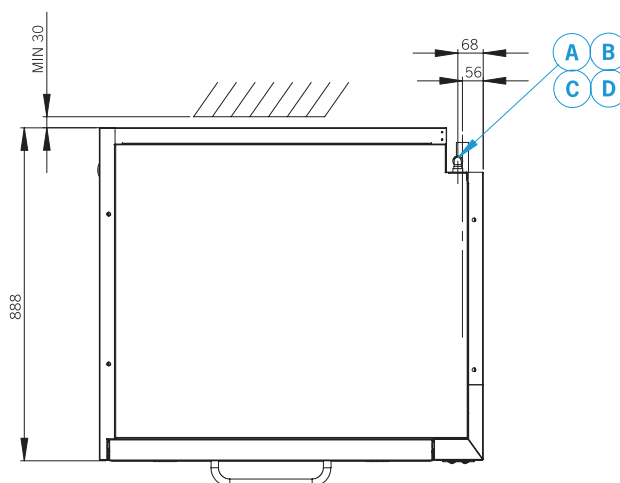
B = Detergent/drying agent connection, signal
230V AC.

C = Electrical connection (technical data on page 6
or in user manual).

D = Drain ø 32 mm, capacity min 50 L/min.

Other:

Ventilation capacity: With steam reduction 150 m³/h
(requires separate cold water connection, 3–6 bar).
Without steam reduction 500 m³/h.



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