

# GRANULE SMART<sup>®</sup>

HIGH CAPACITY IN A SMALL SPACE

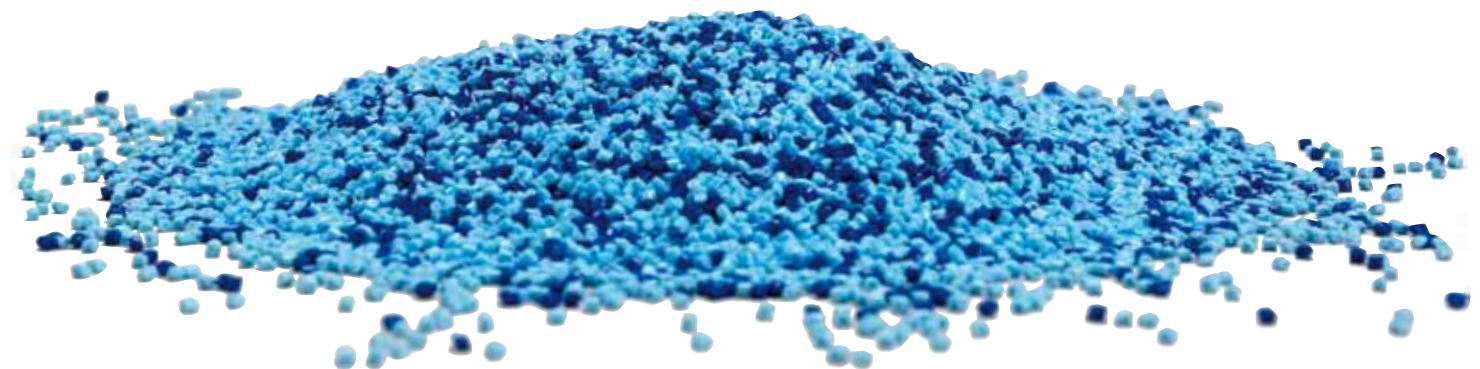


# PURE POWER

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

Traditional potwashing 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 potwashing requires soaking, scrubbing and sinks full of water. The GRANULDISK concept represents something completely different. Our potwashing machines take care of the entire job, thus eliminating the need for prewashing. We refer to this concept quite simply as "No Prewashing". 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.



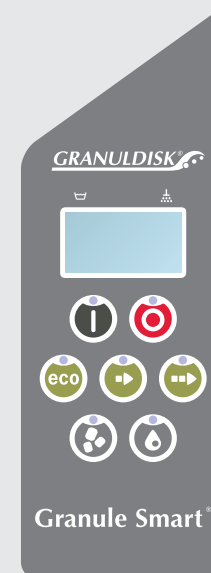


# GRANULE SMART®

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 m<sup>2</sup>. 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 the starting point for our control panels. The display and symbols are easy to understand, making it easy to select the correct programme. You can also select whether the programme is to run with or without Granules. When the programme length is selected the machine starts automatically and a countdown timer is displayed for the duration of the programme. Both the wash and rinse tank temperatures are also constantly displayed on the screen. HACCP data for the previous 99 wash programmes can also be displayed easily.

More general maintenance is facilitated by the control panel's integrated function GD Memo™. This provides automatic reminders when it is time to replace the PowerGranules®, change the water in the wash tank or book a service.



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



## 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 | Part no. 22633 20 litres | Part 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	IP55
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 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 in 2 minutes. No  
prewashing regardless of whether  
PowerGranules® are used.



**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).



**Intertek**  
Conforms to Std. NSF 3

ACCESSORIES

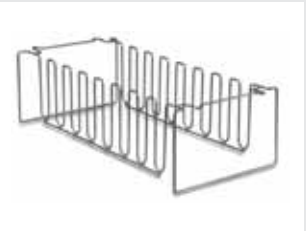
GRANULDISK always allows you to adapt every solution according to your needs.  
Choose from our range of smart accessories and further increase the capacity of your machine.  
www.granuldisk.se shows you how accessories can be loaded with various pots.



www.granuldisk.com/granule-smart-accessories



**GD 102 STANDARD  
POTWASH BASKET\***  
**PART NO. 19999**  
Capacity: 6 GN 1/1 65 mm. The side  
of the basket is fitted with small hooks  
which allow even the smallest GN  
containers to be loaded and held in  
place in the basket during washing.



**GD 150 INSERT FOR TRAYS,  
CHOPPING BOARDS, LARGE GN**  
**PART NO. 19992**  
Insert for trays, chopping boards, large  
GN makes it easy to wash 2/1 GN,  
baking trays, grill racks, chopping  
boards and GN lids. Placed in Standard  
potwash basket.



**GD 750 PAN SUPPORT  
WITH INTEGRATED LADLE  
HOLDER**  
**PART NO. 13756**  
Support for small pans, tubs, sieves  
etc. Integrated holder for ladles,  
whisks etc. in the middle. Placed in  
Standard potwash basket.



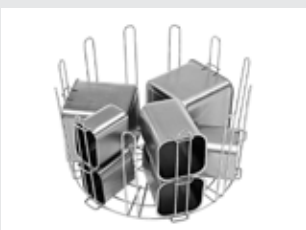
**GD 152 MULTIFLEXIBLE  
ACCESSORY**  
**PART NO. 20554**  
Capacity: 3–5 pans, small bowls,  
sieves etc. Placed in Standard  
potwash basket.



**GD 104 POT BASKET**  
**PART NO. 21423**  
Special basket for up to 2 pots at a  
time. Placed in the machine instead  
of the Standard potwash basket.



**GD 754 FLEXIBLE POT  
SUPPORT**  
**PART NO. 13789**  
Rubber band ring with two anchor points.  
Used to secure pots, pans and bowls to the  
edges of the potwash basket during wash-  
ing. A number of rubber bands can also be  
linked together to secure larger items.



**GD 702 ABC POTWASH  
BASKET**  
**PART NO. 21407**  
Available to order. Estimated delivery  
time approximately 6 weeks. ABC  
potwash basket, suitable for ABC  
canisters and containers.



**GD 646 ACCESSORY  
HOLDER (STORAGE)**  
**PART NO. 6001159**  
Used for storage of accessories and  
inserts when they are not in use.  
This holder is hung on the side of  
the machine.



**GRANULE COLLECTOR,  
8 LITRES\***  
**PART NO. 21550**  
The Granule collector is used to  
collect Granules for cleaning and  
storage. Capacity: 8 litres.



**GD 60 WASTE SCRAPER\***  
**PART NO. 21838**  
The waste scraper is used to remove  
food debris before washing up.  
Ensures good results and keeps the  
water cleaner for longer.

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 exam-  
ple. 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.

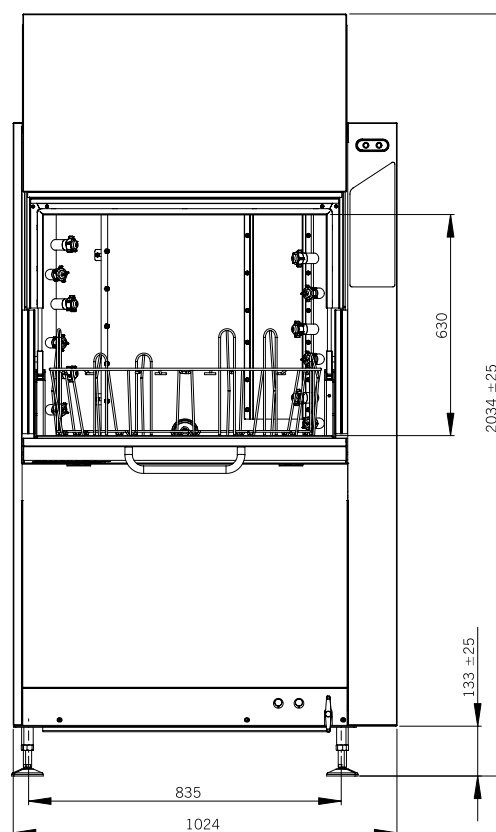
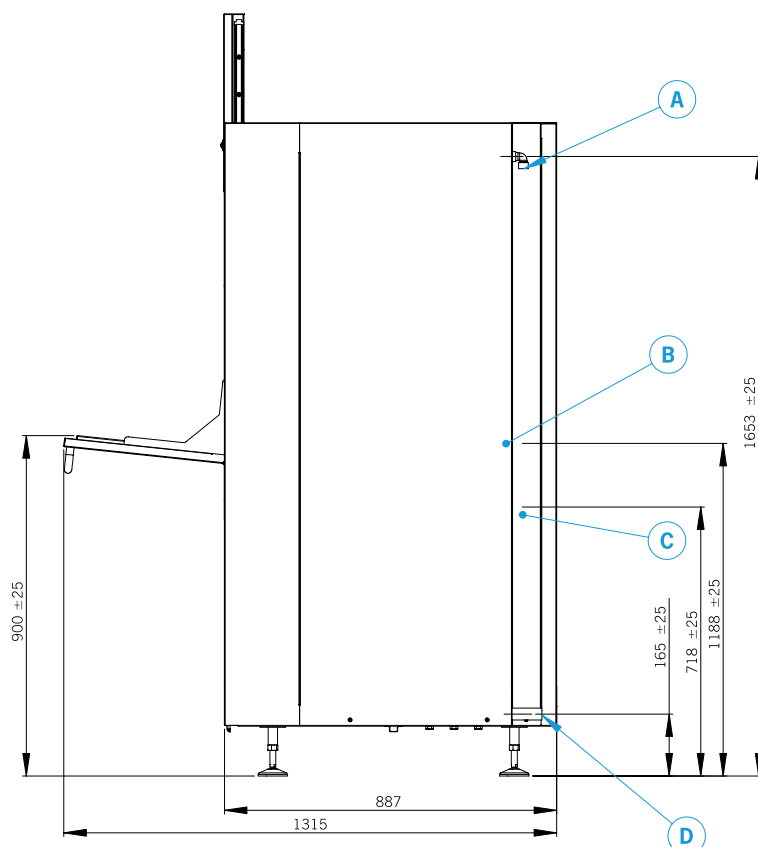
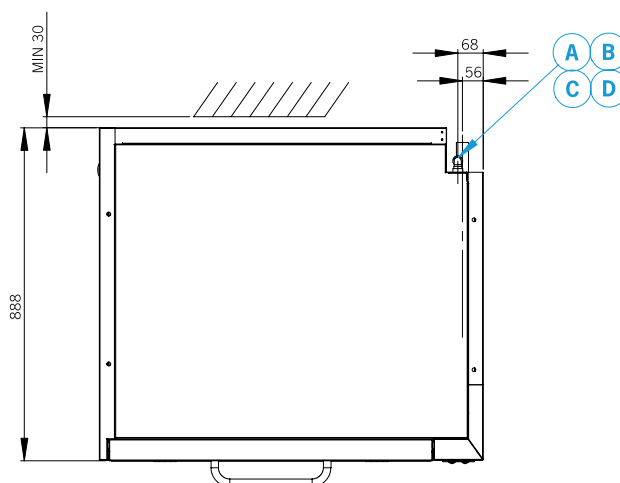
**B** = Detergent/drying agent connection, signal  
230V AC.

**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.



**GRANULDISK®**

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