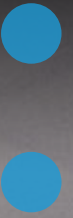




Swedish Innovation, Quality & Design



Pure Performance through Granule Technology™

Granule Smart+



The ultimate kitchen solution

NOR:DISK
CLEAN SOLUTIONS

Granule Smart+®

Granule Smart+® incorporates the innovative Granule Technology™ and eliminates the need to pre-wash pots and pans.



Front loaded Granule Smart+ is a match made in heaven for kitchens with a broad variety of wash ware. It is blessed with dual power: Plus mode for crockery, glass and plastic ware, as well as Granule Technology™ for pots, pans, chicken grids, and

other items that need an extra boost. Granule Smart+ fits in less than 1 sqm with a smart built-in loading table, or as a system with multiple baskets and trolleys. It will clean and sanitise all wares used for cooking in a professional kitchen.



Less Chemicals

Saves on average 1.3 litres per day, adding up to 400 litres per year.



Less Water

Saves on average 920 litres per day, adding up to 280,000 litres per year.



Less Energy

Saves on average 36 kWh per day, adding up to 10,700 kWh per year. Add EcoExchanger® to save even more.



Less Time

Cleans your pots and pans in 2 min. 30 sec* without pre-washing.



High Capacity

7 GNI/1 per cycle
- up to 168 GNI/1 or GNI/2 per hour (max. depth 65 mm)
Up to 33 crockery baskets per hour



Food Safety

All wash programmes comply with the hygiene guidelines of the DIN 10534 standard



Future proof

Granule Smart+ is Industry 4.0 ready, meaning it will be compatible with future features and functions.



User-Friendly Design

Eye-level control panel.
Large buttons and clear symbols.
Reminders and messages on the display.
Built-in loading table for the wash basket.
Red and green indicator lamps.
USB port for export of HACCP log files.



SIMpel™

QR code with online access to operator training videos, servicing history, and troubleshooting guides.

The savings calculations are based on a sample site preparing 800 hot meals per day and 300 operational days per year. The comparison features manual washing in sinks compared to washing in Granule Smart+: 50% ECO cycle, 30% Short, and 20% Normal.
*N.B. Optional EcoExchanger will add 80 seconds to the cycle duration.

Available in four editions

Granule Smart+® is available in four editions: Standard, FreeFlow, Retail, and Retail FreeFlow. Each edition comes with a selected accessories package and can be further customised to your needs by adding one or more smart accessories.



Granule Smart+® Standard Edition

Art no. 27022

Granule Smart+ Standard Edition is a stand-alone version that works with a round pot wash basket and lower door hatch that folds out into a built-in loading table, and folds down to ease access to machine interior during daily cleaning. The low total height of the pot washer allows it to be located even in small and cramped spaces as it occupies less than 1m² floor space.



Granule Smart+® Freeflow Edition

Art no. 27023

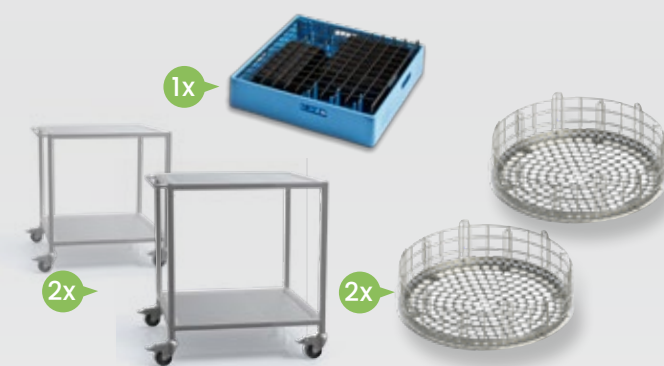
Granule Smart+ FreeFlow Edition maximises flexibility, flow and capacity by adding two trolleys and an extra wash basket without bottom grid. This setup allows for multitasking and emptying/filling one basket while the other is washed. The trolley offers loading options in two levels and can be used to either transport wash ware or the whole basket. Lockable swivel wheels enable you to safely park the trolley when needed.



Granule Smart+® Retail Edition

Art no. 27024

Granule Smart+ Retail Edition is a complete package for the customer within the retail sector. It contains the wash basket with bottom grid, one wash basket for plates and crockery and one cover grid. A setup that makes it easy to clean stubborn chicken grids, but also the more delicate deli counter display wares.



Granule Smart+® Retail Freeflow Edition

Art no. 27025

Granule Smart+ Retail FreeFlow Edition is a boosted version of the Retail Edition package, adding an extra pot wash basket and two trolleys. This setup allows for multitasking and emptying/filling one basket while the other is washed.

Foldable hatch is a standard feature on Granule Smart+, scan the QR to see how it works.



Check out Granule Smart+®

Watch our YouTube film to see how efficient and versatile the Granule Smart+®-series are.



Accessories

Granule Smart+® Editions can be further customised to fit your unique needs by adding one or more smart accessories and inserts.



Follow us on YouTube to see how to load and use the different accessories.

Pro Wash basket for GN pans, pots and baking trays

Art no. 29505

Loading possibilities for Gastronorm containers, pots and pans, as well as grids, baking sheets and cutting boards without adding extra accessories. Loads 6 GN 1/1, 65 mm deep, 2 GN 2/1 up to 100 mm, 12 GN 1/4, 1/6, 1/9.

Inner diameter: 696 mm.

(1x included in Standard Edition. 2x included in FreeFlow Edition.)



Wash basket with bottom grid

Art no. 26140

For customers that washes items from the Gastronorm range, but also have a larger mix of other items. The bottom grid prevents handles etc. from slipping through the bottom of the basket.

(1x included in Retail Edition. 2x included in Retail FreeFlow Edition.)



Utensil basket

Art no. 29495

Stainless net basket that slots into one of the 6 spaces in either of the round wash baskets.

Used for whisks, ladles and other utensils up to 500 mm in length.



Insert for trays, grids, lids, cutting boards etc

Art no. 19992

To be placed inside the round wash baskets. Holds 2 GN 2/1 or 6 baking trays 600 x 400 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.

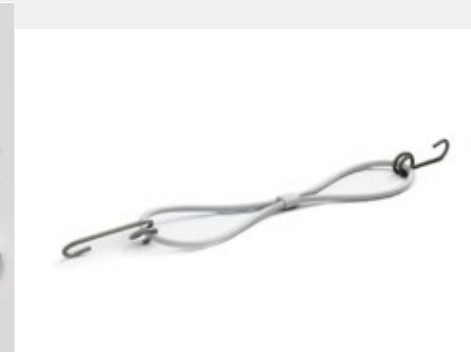


Registered design.

Multiflex holder for saucepans, small bowls, sieves

Art no. 20554

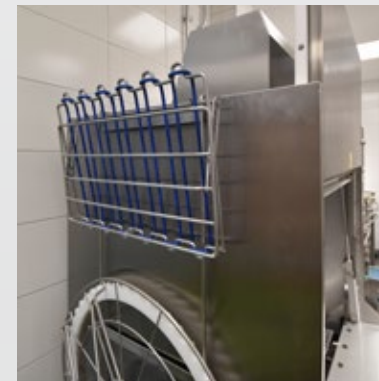
To be placed inside the round wash baskets. Capacity: up to 3–4 saucepans or up to 4–5 small bowls, sieves etc.



Flexible pot holder

Art no. 25188

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



Holder for storage of accessories

Art no. 6001159

To store inserts and accessories not in use. Can be hung from either side of the machine.



Trolley for wash basket

Art no. 24637

Maximises flexibility and flow and enables an ergonomic way of working.

(2x included in FreeFlow Edition. 2x included in Retail FreeFlow Edition.)



Registered design.

Pot basket

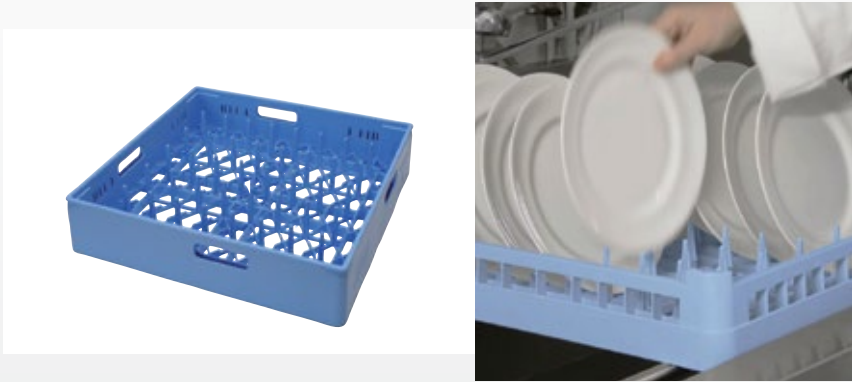
Art no. 21423

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

Wash basket for plates and crockery

Art no. 19882

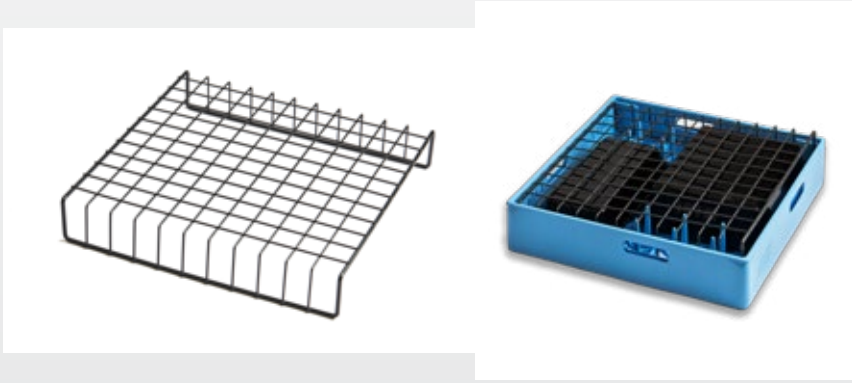
500 x 500 mm



Cover grid

Art no. 13796

Cover grid for 500 x 500 mm wash basket. Prevents light items from being flushed out of the basket during a wash cycle.



Wash basket for glasses and cups

Art no. 27068

500 x 500 mm



Wash basket for cutlery

Art no. 27069

500 x 500 mm



Always SIMpel™

All Nor:disk solutions are equipped with SIMpel™ – a smart QR code system with a dedicated online platform. Whether you are an end-user or a service technician, SIMpel™ gives you quick and easy access to unique material for your specific product.

The QR code is the gateway between your product and your SIMpel portal. Simply scan the code to be automatically directed to the online portal containing machine-specific documents, troubleshooting guides, error code look-up tables, and how-to videos. As a service technician you will be able to enter the password-protected technician area to log or look up documentation and maintenance history.



Granule Smart+® technical data

General	
Design	Front loaded with rotating wash basket
Outer dimensions (H x W x D)	1 736/2 079 mm (± 25) x 1 025 mm x 957/1 317 mm
Loading volume	220 litres (ø 700 mm x H 570 mm)
Weight (filled / empty)	465 kg / 331 kg
Wash tank volume	108 litres
Rinse water volume	4 litres (ECO program) 6 litres (Short / Normal program) <i>To achieve 3,600 HUE in accordance with NSF/ANSI 3, 6 litres is necessary.</i>
Rinse water volume PLUS mode	4 litres
Granule volume	8 litres
Wash water temperature	65 °C
Rinse water temperature	85 °C
Sound pressure level	70 dB (A)

Programs & capacity	
Wash programs with / without	ECO: 2 min, 30 sec / 2 min, 30 sec
Granules	Short: 3 min, 30 sec / 2 min, 40 sec
	Normal: 5 min, 30 sec / 4 min, 40 sec
Wash programs PLUS mode (crockery wash)	ECO: 1 min, 30 sec Short: 2 min Normal: 2 min, 30 sec
Max. / normal capacity per hour (normal capacity incl. handling)	Standard Edition: 168/126 GNI/1 or similar in other pots FreeFlow Edition: 168/147 GNI/1 or similar in other pots
Max./normal capacity PLUS mode per hour (normal capacity incl. handling)	40/33 500x500 mm wash baskets
Capacity per wash program	6+1 GN 1/1 or GN 1/2 65 mm depth or 3 GN 1/1 or GN 1/2 up to 200 mm depth and 3 GN 1/1 or GN 1/2 up to 65 mm depth, or similar in other pots. PLUS mode: 18 dinner plates or 12 soup plates max. Ø 240 mm, various utensils and plastic pots

Electrical connection	
Voltage**	3~ 400–415 V/50 Hz + PE / 3~ 380 V/50 Hz + PE
Fuse (at output 17.2 kW)	32 A (400/415 V, 380 V)
Max output (hot or cold fill)	17.2 kW
Wash pump motor	2.2 kW
Wash pump motor PLUS mode	0.7 kW
Rinse pump motor	0.11 kW
Heater wash tank*	14 kW
Heater rinse tank*	14 kW
Enclosure rating	IPX5

Water connection	
Hardness/Connection	Total hardness: 3–7 °dH, 5–12 °TH, 53–125 PPM / ¾" BSP male (DN20) <i>Note: Reverse osmosis/distilled water must not be used.</i>
Connection A	17.2 kW unit: 1–6 bar, 15 l/min, 5–65 °C (hot or cold fill)
Connection F (optional)	17.2 kW unit w. steam reduction (option): 3–6 bar, 15 l/min, < 20 °C
	17.2 kW unit w. EcoExchanger (option): 1–6 bar, 15 l/min, < 20 °C
Backflow protection	EN 1717 is fulfilled with type AB air gap, EN 13077

Drain & ventilation	
Ventilation with steam reduction	200 m³/h
Ventilation without steam reduction	500 m³/h
Ventilation with EcoExchanger®	100 m³/h
Heat emitted to room with steam reduction (total/sensible/latent)	1.7 kW / 0.8 kW / 0.9 kW
Heat emitted to room without steam reduction (total/sensible/latent)	2.4 kW / 0.8 kW / 1.6 kW
Heat emitted to room with EcoExchanger® (total/sensible/latent)	1.3 kW / 0.8 kW / 0.5 kW
Drainage pipe	Pipe ø 32 mm
Drain	Capacity requirement 50 l/min. No drain pump, gravity drain. <i>The machine must not be placed directly over a drain.</i>
Detergent and rinse aid	Required. 230 VAC signal is available from a separate box. Max load total 0.5 A.

Voltage options

Cannot find your special requirements in the list?

Talk to your Nor:disk sales representative or your preferred Certified Nor:disk Sales Partner for more information about customisations.



Dosing equipment

Liquid detergent and rinse aid dosing dispenser with peristaltic pump and detergent dosing sensor is available as an optional factory fitted add-on.

Marine option

+ double level sensors in the wash tank

+ feet that can be bolted to the floor to prevent sliding or tipping

Talk to your Nor:disk sales representative or preferred Certified Nordisk Sales Partner about the Marine Option.



Steam reduction or EcoExchanger® ?

With the add-on steam reduction to your Granule Smart+® you ensure a more pleasant working environment for staff and lower the ventilation requirements. Adds 70 seconds to the total time of Short and Normal wash programs. For PLUS mode the addition is 50 seconds.

The add-on EcoExchanger® cleverly combines steam reduction and heat recovery in one and improves the working environment while also reducing the energy needed for heating the rinse tank by up to 40%. Adds 80 seconds to the total time of the wash program.



Talk to your Nor:disk sales representative or your preferred Certified Nor:disk Sales Partner for more information about steam reduction and EcoExchanger® for Granule Smart+®.

* Never operate simultaneously.

** For all available voltage options, please turn to your sales representative or consult a valid pricelist.

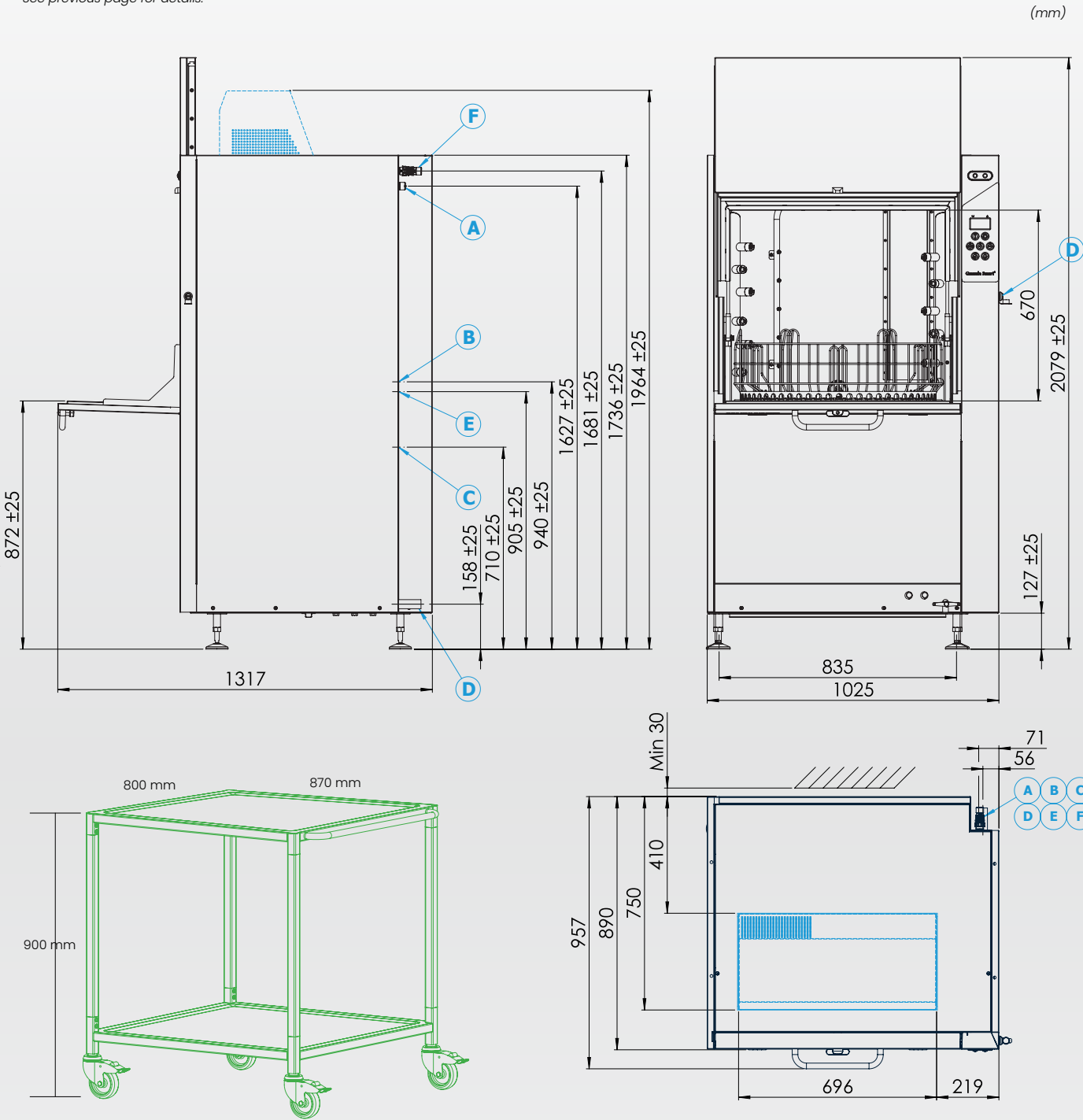
Granule Smart+® is supplied with a 2-metre-long power cable (without plug) for connection to an approved mains switch. The mains switch is not included in the delivery.



Granule Smart+® installation

(A/F) Water inlet. (B/E) Detergent/drying agent connection. (C) Electrical connection. (D) Drain. (G) USB port.

See previous page for details.



..... EcoExchanger® (optional add-on)
 — Wash Basket Trolley x 2 (valid for FreeFlow Edition and Retail Edition FreeFlow only)