



Swedish Innovation, Quality & Design



Pure Performance through Granule Technology™

Granule Flexi®



Effective in its flexibility

NOR:DISK
CLEAN SOLUTIONS

Granule Flexi®

Granule Flexi® incorporates the innovative Granule Technology™ and eliminates the need to pre-wash.



Granule Flexi® is a front loaded No Pre-Washing™ pot washer which caters for the varying needs of small and medium-sized kitchens. Granule Flexi is a versatile, compact and efficient solution and is ideal

for both à la carte kitchens with mixed pot washing and for the pure Gastronorm kitchen – it all comes down to which edition you choose.



Less chemicals

Saves on average 1 liter per day, adding up to 300 litres per year.



Less water

Saves on average 520 litres per day, adding up to 155,000 litres per year.



Less energy

Saves on average 20 kWh per day, adding up to 5,800 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

4 GN1/1 per program – up to 96 GN1/1 or 192 GN1/2 per hour



Food safety

All wash programs comply with the hygiene guidelines of the DIN 10512 standard.



Future proof

Granule Flexi 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. Multi-level and grip-friendly handle. 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 400 hot meals per day and 300 operational days per year. The comparison features manual washing in sinks compared to washing in Granule Flexi: 50% ECO cycle, 30% Short, and 20% Normal. *N.B. Optional EcoExchanger will add 80 seconds to the cycle duration.



Available in two editions

Granule Flexi® is available in two different editions: *Flexible* and *Gastronorm*. Each edition comes with carefully selected standard accessories and can be further customised to your needs by adding one or more smart accessories.



Granule Flexi® Flexible Edition

Art no. 20715

Granule Flexi Flexible Edition fits the kitchen utensil setup in an à la carte kitchen that needs to wash a wide range of pots, pans, skillets, bowls and utensils.

Enables washing on two levels. The lower rack can be modified to load 2/1 sheets or large, deep pots (max. 700 mm deep, Ø 500 mm – requires additional Short Spraypipe accessory) and the top rack can load a range of miscellaneous washware from the à la carte kitchen.



Granule Flexi® Gastronorm Edition

Art no. 20716

Granule Flexi Gastronorm Edition fits kitchens that work mostly with a Gastronorm setup of pans and containers.

Enables washing on two levels. The lower rack can be modified to load 2/1 sheets or large, deep pots (max. 700 mm deep, Ø 500 mm – requires additional Short Spraypipe accessory). The top rack loads GN1/1-1/9, max. 200 mm depth or GN2/1, max. 200 mm depth.

Check out Granule Flexi®

Watch our Youtube film to see how efficient and versatile the Granule Flexi®-series are.



Accessories

Granule Flexi® Editions can be further customised to 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.

Fixed insert for GN containers

Art no. 13465

To fit GN1/1-1/9 up to a depth of 200 mm. Capacity 2 GN1/1 up to a depth of 200 mm or equivalent in small GN containers.

(Included in Gastronorm Edition.)



Flexible insert for GN containers and mixed washware

Art no. 14454

To fit GN containers, bowls, saucepans, sieves, etc, incl. 1 spare rubberband. Capacity: 2 GN1/1 up to a depth of 150 mm or a mix of utensils.

(Included in Flexible Edition.)



Adjustable insert for GN containers and pots

Art no. 13463

Capacity: 2 GN1/1 up to a depth of 200 mm or 1 GN2/1 or 1-3 pots.

(Included in Flexible and Gastronorm Edition.)



Short spray pipe

Art no. 26827

Replaces long spray pipe to allow washing of pots up to a depth of 700 mm.



Insert for large trays (non-GN size)

Art no. 13736

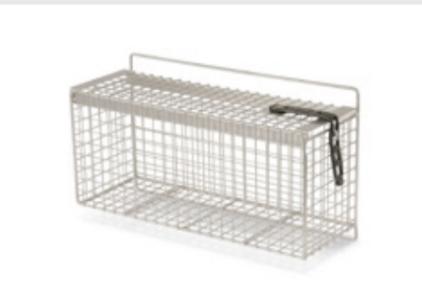
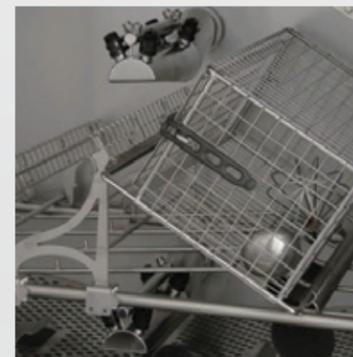
Capacity: 8 sheet pans 655 x 450 mm, with 25 mm edge or 8 large trays 690 x 450 mm, with 22 mm edge.



Insert for baking sheets

Art no. 13744

600 x 400 mm, with 20 mm edge. Capacity: 8 pcs



Net basket with lid

Art no. 21477

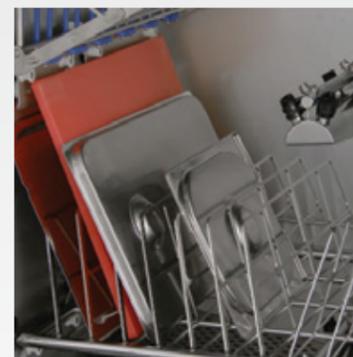
For ladles, whisks up to 500 mm in length.



Holder for storage of accessories

Art no. 6001159

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



Insert for lids and trays (GN size)

Art no. 6001147

To fit slightly soiled GN-sized flat trays or lids. Capacity: 12 pcs.

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 Flexi® technical data

General

Design	Front loaded with two level washing
Outer dimensions (H x W x D)	1775 (±25) x 870/1836 x 1017/1379 mm
Loading volume	205 litres (H 650 x W 600 x D 530 mm)
Weight (filled / empty)	369 kg / 275 kg
Wash tank volume	84 litres
Rinse water volume	4 litres (ECO programme) 8 litres (Short / Normal programme) <i>To achieve 3,600 HUE in accordance with NSF/ANSI 3, 8 litres is necessary.</i>
Granule volume	6 litres
Wash temperature	65 °C
Rinse temperature	85 °C
Sound pressure level	< 70 dB (A)

Programmes & capacity

Wash programmes with Granules	ECO: 2 min, 30 sec Short: 4 min, 40 sec Normal: 6 min, 40 sec
Wash programmes without Granules	ECO: 2 min, 30 sec Short: 3 min, 40 sec Normal: 5 min, 40 sec
Max. / normal capacity per hour (normal capacity incl. handling)	96 / 76 GNI/1 or similar in other pots
Capacity per programme	4 GNI/1 or 8 GNI/2 or 1x GN2/1 + 2x GNI/1, max. 200/150 mm depth, or similar in other pots.

Electrical connection

Voltage**	3~ 400–415 V/50 Hz + PE / 3~ 230 V/50 Hz + PE / 3~ 380 V/50 Hz + PE
Fuses (at max output 12.0 kW)	25 A (400/415 V, 380 V) / 40 A (230 V)
Fuses (at max output 17.0 kW)	32 A (400/415 V, 380 V)
Max output, hot fill	12.0 kW
Max output, cold fill	17.0 kW
Wash pump motor	2.2 kW
Rinse pump motor	0.37 kW
Heater wash tank*	9 kW at output 12.0 kW (14 kW at output 17.0 kW)
Heater rinse tank*	9 kW at output 12.0 kW (14 kW at output 17.0 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	12.0 kW unit: 1–6 bar, 15 l/min, 55–65 °C (Hot fill) 17.0 kW unit: 1–6 bar, 15 l/min, 5–65 °C (Cold fill, optional)
Connection B	12.0/17.0 kW unit: 3–6 bar, 15 l/min, < 20 °C

Drain & ventilation

Ventilation with steam reduction	150 m³/h
Ventilation without steam reduction	400 m³/h
Ventilation recommendation with EcoExchanger	75 m³/h
Heat emitted to room with steam reduction (total/sensible/latent)	1.2 kW / 0.5 kW / 0.7 kW
Heat emitted to room without steam reduction (total/sensible/latent)	1.7 kW / 0.5 kW / 1.2 kW
Heat emitted to room with EcoExchanger (total/sensible/latent)	0.9 kW / 0.5 kW / 0.4 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? All Nor:disk pot washers are built to order and can often be customised to fit specific voltage and water conditions.

What are your needs?

Talk to your Nor:disk sales representative or 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.

Steam reduction or EcoExchanger® ?

Granule Flexi is standard fitted with steam reduction which serves for a more pleasant working environment for staff and lower the ventilation requirements. Adds 60 seconds to the total time of Short and Normal wash programs.

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 35%. 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 Flexi®.

* Never operate simultaneously.

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

Granule Flexi® 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.

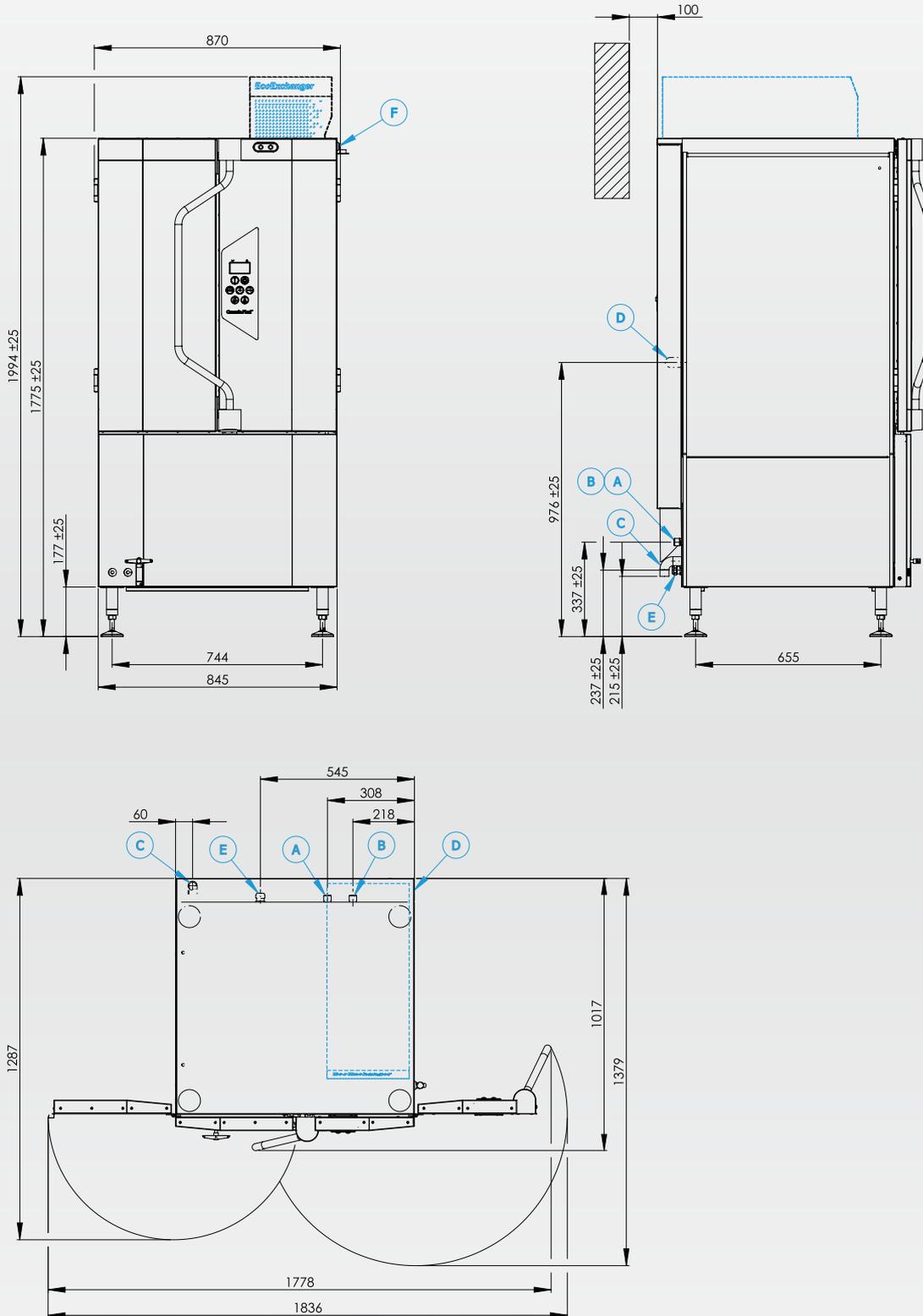


Granule Flexi® installation

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

See previous page for details.

(mm)



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