spotless warewashing







The powerful, green solution for washing pots and pans





Powerful green solutions for cleaning your pots and pans

FOR MORE THAN 20 YEARS, environmental awareness has been a vital part of the philosophy and development of GRANULDISK®.

Using our products, you will reduce your impact on our ecosystem, while at the same time saving money.

GRANULDISK® develop, produce and market high quality products that are energy efficient and will not waste precious resources. We comply with applicable local environmental legislation, regulations and requirements.

Our products provide outstanding wash results while consuming less water and energy and using less detergent than conventional pot and pan washers and/or sink-based solutions.

Energy and water prices are on a steady increase and after labour, electricity and water are the biggest running costs in a kitchen. We provide a solution to this problem.

More than 9 000 happy customers have already benefited from our solutions. We hope that we will have the satisfaction of helping you too to a better way of business and a lighter working day.







e inside

Washing with Granules Is, and have always been, a more efficient alternative to sink-based were washing solutions and conventional water-based machines.

Using less resources, such as water, detergent and energy, it is not only a cheaper way to cleas pots and pans - if also causes less impact on our environment, instead of using countiess litres of hot water, hazardous chemicals and detergent, thry blue Granules blast off burnt-in food and stubborn residues.

Pots and paris come out sparking and are both visibly and hygienically clean after only minutes; and with far less resources wasted. Why continue to Iterally flush money down the drain, in herms of used water and chemicals when you can let the Granules work their magic over and over again? Back in the 1980's, we were pioneers in the ware washing, business. With the Granule Optimised Washing Technology, we knew we had a revolutionary invention at our hands.

Working continuously to improve the product ever since, has led us to where we stand today. The green tissue and our suffering planet had us concerned and we decided to find out what we could do to minimise any waste of resources and make the machines even more efficient.

The new and improved fectnology, which we have chosen to call "e", offers the same exceptional wash results - at a lower consumption of resources.

Let GRANULDISK* help you save money while at the same time easing your environmental conscience



town the real processing which we will be really

e for efficiency

GRANULDISK® products offer the highest level of efficiency to one of the most thankless areas of the kilchon

- No soaking, no scrubbing. Eliminates the need for pre-washing.
- . Spotess warewashing in a few minutes.
- Granules blast off burnt-on residues faster than water and detergent.

e for environment

A bright green "e" to emphasize a far less impact on the environment.

- Wash tank water is used multiple times.
- No pre-soaking needed dramatically decreased water and detergent consumption.
- During every rinse cycle, rinse water of 85 °C enters the wash tank, refreshing and heating it at the same time.
 Therefore, energy is saved as heating of the wash water is rarely needed.

e for ensured hygiene

A temperature of 72 °C on the surface of washed items guarantees hygienically clean pots and pans.

- We guarantee high hygiene for the washed articles.
- All food residues are mechanically removed in the Granule technique process where PowerGranules* make sure all utensits are scoured visibly clean.
- An optimised final rinse; correct time, temperature and volume of water, gives you hyglenically clean pots and pans.
- Controlled volume. A rinse pump secures that the rinse tank distributes the correct volume of water during each rinse cycle.
- No less than 85 °C. Computer-controlled rinse water temperature;
- Easy cleaning access to wash tank, jets and sleves; secures a clean machine, ready to use next morning.

e for ergonomy

- Handling does not expose staff to not water or dangerous chemicals.
- Less sickleave and less allergic reactions!
- Handling allows an uprlight position and the heaviest tasks are no longer a problem.

e for extra time

More than 9 000 GRANULDISK® users have taken charge of their time.

- Thanks to GRANULDISK[®], Michers around the world save thousands of hours every day!
- Let the machine do the job nobody else wants to do!
- An investment that allows your staff more time for other, more rewarding tasks in the kirchen

e for economy

It pays to invest in a GRANULDISK® machine - faster than you might think!

 An investment that allows you to reduce your consumption of resources and lower your running costs - without sacrificing an impeccable wash result!

... let us show you some savings examples ...





e for economy

It pays to invest in a GRANULDISK® machine

- faster than you might think.

A ware washing machine from GRANULDISK® is a profitable investment that (ROI) that is well within can improve your overall 24 months. That is how finances. An investment fast you can reduce your that allows you to lower running costs compared your water, detergent and to manual pot and pan energy consumption. You washing. can also save time, space and improve the staffs' wellbeing in the workplace.

Our customers often have a return on investment

Reduction of running costs - fast return on investment

- . Cut energy & water costs by up to 60%
- . Cut detergent costs by up to 60%
- . Cut labour costs by up to 60%
- . Better working environment less sickleave and happier staff

in comparison with manual pot washing-

Examples of savings and benefits



Daily SAVINGS € 52

Daily



[&]quot;Example in based on Gravals Med", Compact System is companion to manual analog (100 mode/sky, 360 webing disperynals







e for engineering

Our team of engineers continuously work to improve our products and bring the Granule Washing Technique forward. Inspired by feedback from customers as well as coworkers, they strive to build stronger, better and more efficient machines for the needs of formation.

We are proud of the work they have done during our more than 20 years in the business, combining intelligent technology with quality engineering. Let us tell you about what their present achievements can do for you.

Environmental Laboratory

Our products and their components are regularly tested by the Laboratory. Mechanical, environmental, bygiene and cleaning tests are performed according to international standards using Good Laboratory Practice (GLP). Everything in order to ensure that our customers get the best possible performance available.







Intelligent software

Let the machine keep tabs with GD Memo™

An integrated function which alerts you when:

- . Wash water has to be changed
- . PowerGranules® need to be changed
- . Service is required

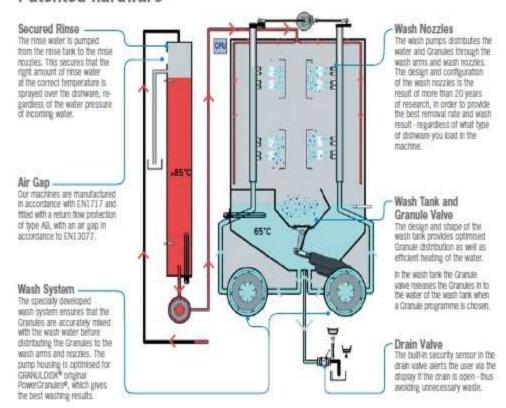
We recommend that you regularly check the Granule amount to the marks in the collectors in order to maintain a satisfying wash result.

GDTdirect™

The fully automatic and integrated HACCPcontrol function GDT direct^{net} allows you to be in total control of the HACCP in your ware washing process. Access data from the 100 most recent cycles directly from the display on the control panel or connect the machine to a computer to store complete data of all programmes and cycles from day one.

- Automatic storage of all operating parameters and critical hygiene control points.
- Easy access to operating data, 100 most recent wash cycles to be traced directly from the display.
- Possibility to continuously download operating data to computer.

Patented hardware





e for easy

GRANULDISK® machines are very user-friendly and easy to operate, thanks to the simple design of the control panel. Enjoy all green savings without reducing the excellent wash result. We've done a lot of the thinking for you, and only left a few, necessary choices for you to consider before washing.

The display -

The large display window functions as a communication center, where the machine alerts the user of current activities, needs or actions to be taken. Messages are displayed in clear text and prain language - easy for amone to understand.

ensured hygiene

Current temperatures of the wash and rinse tanks are displayed in the top corners at all times. Flashing digits mean tanks are heating and will return to steady when the cornect temperature is reached.

GDTdirect™ and GD Memo™

GD Memo" will use the display window to remind the user of Granule and water change, as well as regular service needs.

The display also offers easy access to data concerning the 100 most recent wash cycles through GDTdirect**.

1 - Three pre-set programmes

efficient, powerful, green wash result

Whichever green button you press, you benefit from the fantastic savings of water, energy and detergent offered in GRANUL DISK® products. Three eco-friendly programmes, using no more recessary.

- The "eco"-button provides a high hygienical result at lowest possible use of resources.
- The two other green buffors give a secured hygienical result.

The surface of the washed pots- and pars will have a temperature of more than 72.1°C after a finished cycle.

GRANULDISK® products offer an efficient, powerful, green pot washing solution without sacrificing a secured typienical wash result I.

2 - Granules or not? -

ever ready - with or without PowerGranules®

Flexibility. Either choice gives an outstanding wash result.

 Normal and heavily solled pots and pans - choose a powerful Granule optimised programme to blast the utensils clean.

 Lightly solled pans or sensitive dishware - choose an efficient water-only programme.



GRANULDISK

.....

85°C

65 °C

Eco program with Granules

Time remaining:

2:35



Meet the GRANULDISK® e family





Most of our Grammie Finati* customers prepare between 50 up to 500 meals a day. They are pleasantly surprised when it comes to capacity. The machine can clean up to 4 CN 1/1-containers, 200 mm deep, directly in one cycle. Large pols up to 700 mm deep, mong and ceramic bowls, building and cleanic towns are also very easily washed.

You'll this many of our Granule Flexif machines among restourants, retirement homes and other institutional witchens, supermarkets and calaries.

Монтий тиш спракабую "	84 ON 1/1 or organism in other characters
Max capacity/%"	96 GW 1/1 or equivalent to other character
Capacity/cycle*	4 SN 1/1 or equipment in other attentits
Erlemej dinematora Al x W s D) (mm)	1745 x 845 x 945
Mas power	12,3 VW look water option 17,3 VW)
Web/Hea task dampit	S KW x 7 Roots water carbon 14 KW a 21
Standard electrical contraction	3 AC 400 V - SINIT, fess 25 A licited water replace - fess 32 A
Hot will correction	1/7" DH15), 55-65"C, 37" dif
Water pressure (funt)	1-6 bar /15 thus per mana
Cost water connectors	1/F DHIS), 3 F dH
Water pressure (c.w)	36 tor /15 this per minute

"present and forgonism of proving sides may affect aspects



Granule Maxi®

Most of our Granule Mace[®] customers are larger kilohers, producing up to 4 000 meals a day. The limit is not fixed and depend more on how the food is prepared and distributed rathe than the actual number of northers.

You'll find many of our Gramulo Maxi[®] muchines among hotels and restaurants, hospitals, staff carlieers, schools/kiniversities or catering companies and in food processing Industries.

Granule Maxi[®] is available either with one, fixed cassette or as a system with one or more loose cassettes and brokeys.

Name um celectifi.	160 GM L/L or equivalent to other uturals
Mar capacity h	192 (IN L/1 or against to other streets:
Capacity/cycle*	E CR 1/1 or equivalent in other utimests
Esternal demonstrers Gills W.s. Children	2 029 x 1 452 x 1 089
Var power	21 W (cold water option 29 kW)
West-from tex denuit	15 NW x 2 tools water option 34 NW x 23
Standard electrical connection	3 AC 40G V - 50Fo, hine 40 A licitly water option, tase 50 A
Halledor correction	1/7 DNIS, 556/C, 37 di
Water pressure (t.w)	16 tor /75 tires per meute
Cold water commercial	1/2" (DN(5), 37" d)
Water presses it will	36 to /15 this ter made

"present and forgonism of recovery water ray offer specify











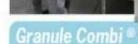






the right machine to suit your needs





Granule Gastro

Most of our Granule Gastro[®] customers prepare up to 600 means a day. The majority of their cooking is done in GN 1/1. They are pleasantly surprised when it comes to handling. The Granule Gastro' is a pass through machine and is designed to be filled with early and exi-

You't find many of our Granute Gastro[®] machines among schools referent homes, staff carrieers, small cook-chill littchers.

The second second	THE STATE OF THE S
Named ross country?"	120 ON 1/5 or equivalent in other shores.
Max casactly/h"	156 CN 1/1 or equivalent in offeer elements
Capacity/cycle*	E GN 1/1 or equivariant in other stansits
Extensi dinensiasi Di x W x 15 cms)	7 400 x 850 x 1 000
Was power	11,9 MV looks water collisis 16,9 kW
West-from lank commit	9 kW s 2 feeld water option 14 kW s 70
Sharterd electrical connection	3 AC 600 V - 50Hz, fanc 75 A lookd water option, fanc 32 Al
Hot water consection	1/7 (DN15), 55 - (6°C, 37° d+
Water persons first	1-6 bar /15 litres per minute
Cold water connection	1/2" (DN15), 37" (d)
Cold water pressure	1 in bur (3 6 bar with replaned share reduction)

"process and bergeralist of training were may affect capacity

Granule Combi^{on} is a unque combi dishwaster, which combines the award winning Granule washing technique with the traditional washing up technique for pilates, cuttery and most types of crockery.

Granule Combin replaces manual and machine pot and pas westing, as well as a conventional distributer. Granule Combin automatically detects which type of wash basket is loaded in to the machine and selects the appropriate wash program.

You'll find many of our **Granule Combi*** machines among restaurants, small to medium holes, retriement homes and Nindergarier/tyre-schools

عقارة والمواشان والمعيوم	
Normal man capacity h."	125 ON 1/1 or organization in other streets or 31 bankets
Mar country's	161 ON 1/1 or equivalent in other atomsts or 33 technis
Capacity/cycle?	6+1 CN 1/1 or opposited to other atomate.
Extensel devensions If a W x III (mm)	2 400 x 850 x 1 002
Mas power	12,6 kW (cold water option 17,5 kW)
Web/mortem cornerl	9 NW x 24coAd water custom 34 NW x 23
Smirri ochical consictor	3 AC 416 V -50Hz, fees 25 A 410H water relates, fees 32 A)
Hel water community	1/7 (NIS, 5: 6°C, 37°d)
Water processor (i.w)	1-6 tox /15 litrus per minute
Cold water connection	L/T (INIS), 37°d!
Cold water pressure	1.6 bar (3.6 bar will) optioned statem reductions

"Jesses and important it incoming eathr may affect uses it



... learn more about the machines from the separate product sheets - available as downloads from www.alkhawaja.net



