

# advantage

the definitive pass-through range



**NELSON**

**advantage** [*ad-vhan-tij*]

to be of service to; yield profit or gain to; benefit

to cause to advance; further; promote

to prove beneficial to; profit

**Maximum Advantage**

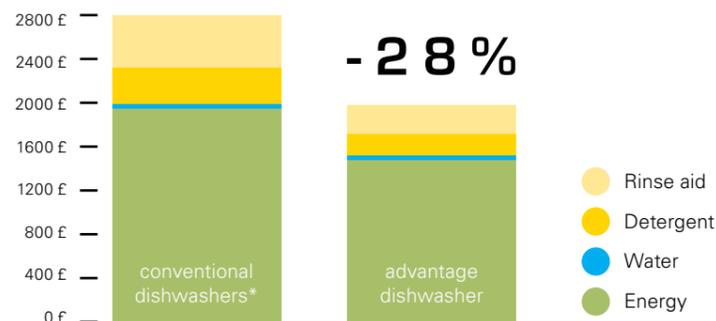
A pass-through dishwasher range that delivers on every level. The sleek, space saving design encompasses the highest build quality, faultless performance, ongoing reliability and offers a 30% increased wash capacity. Combine this with some of the best energy and water saving features available today and you have the Advantage.

**Nelson's Expertise**

Nelson's long-standing experience ensures a level of service that befits these machines. With our in depth knowledge of all market sectors, we will help you choose the perfect model to make sure your business has the best dishwashing Advantage.

The Advantage pass-through dishwasher is designed to provide outstanding results using the least possible amount of water, energy and detergent, making it exceptionally eco-friendly and cost effective to operate.

## T H E E N V I R O N M E N T A L



**Energy advantage.** Commercial dishwashers that require minimal energy for optimum performance.

\*annual running costs: electromechanical single skinned gravity drain

## A D V A N T A G E

**Reduced heat loss.** A double level of thermal insulation to the hood, wash chamber and boiler prevents heat from escaping, meaning less energy is required to maintain temperatures and also results in a more comfortable working environment.

**Reduced water and energy.** Advantage pass-through uses 25-30% less energy than comparable machines. Just 2.7 litres of hot, fresh rinse water (the optimum quantity for thorough rinsing) is drawn for each cycle and is then cleverly utilised in the subsequent wash cycle. Meanwhile, the dirtiest water drains away. The 22 litre tank is, therefore, kept constantly refreshed with minimal demand for either energy or water while still producing perfect wash quality.



Less water equals less energy, resulting in lower running costs.

**Reduced detergent and rinse aid.** Each Advantage is calibrated to dispense the optimum quantity of detergent and rinse aid for every customer's requirements. Because the Advantage uses less water than comparable machines, the quantity of detergent and rinse aid required is also, invariably, reduced meaning that significant savings can be made.





This high performing dishwasher is built to provide the best results with the least amount of water, detergent and energy. Some of the features that make this possible include:

## T H E E F F I C I E N T A D V A N T A G E

**Maximum wash penetration.** The ergonomic, top and bottom mounted, wash and rinse arms have been designed to direct extremely powerful, multi-directional jets to every corner of the wash chamber, easily accessing every square centimetre of the load.



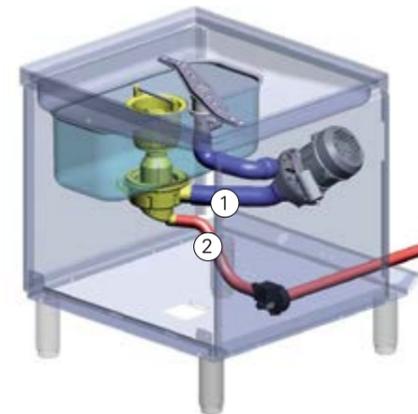
**Dynamic filtration.** A dynamic, patent pending, multi-level filtration system separates and traps even the smallest particles of debris from the clean wash water. This debris, along with the dirtiest wash water, is expelled prior to the start of the rinse cycle.



**Seamless wash tank.** The absence of dirt traps in the Advantage's wash tank means that debris, dirt and grease are effortlessly expelled. Because the tank is fabricated from a single sheet of metal with seamless, rounded corners, and because the tank's floor is inclined, all debris collects in the dirty wash water which is automatically drawn towards the filter and drain pump.

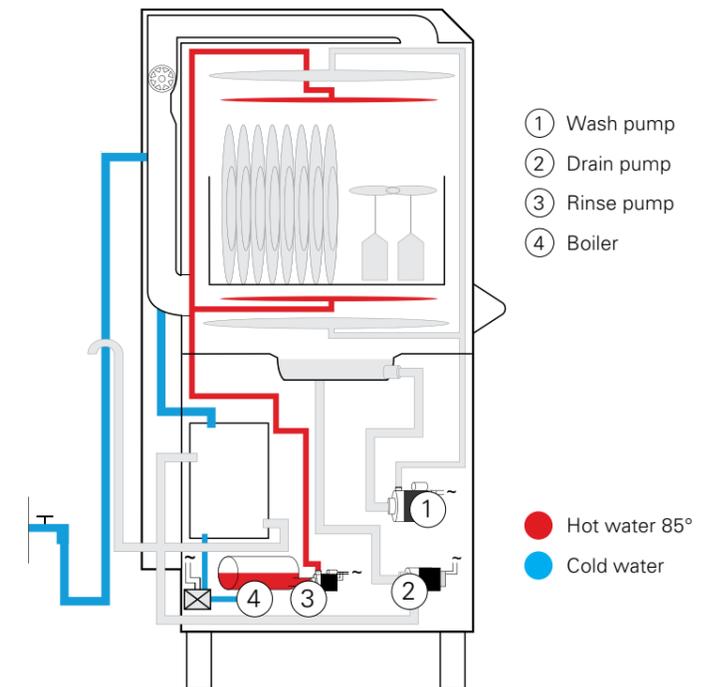
**Intelligent water utilisation.** At the end of each wash cycle, the coolest, dirtiest water automatically drains away to be replaced by hot, clean water.

- ① cleaned, filtered water to wash pump
- ② dirty water and residues to drain pump



**Water treatment options.** There are various water treatment options available, including reverse osmosis, demineralisers and water softeners. Nelson can conduct a completely free site survey to determine conclusively the ideal solution for each customer's specific circumstances.

**Hygienic rinse.** No cold water can enter the system during the temperature controlled, 85°C rinse cycle meaning that dishes have the longest possible contact time with the hot rinse water. This promotes the highest possible level of hygiene and has a further benefit in that dishes dry very quickly.



The streamlined Advantage pass-through takes up minimal space, yet has the capacity to wash more than 1700 plates per hour.



## T H E D E S I G N

**Ergonomic design.** A unique hood raising and lowering system makes the Advantage Pass Through exceptionally easy and comfortable to operate.

**High productivity.** By siting the hood operating handle at the front of the machine, and the raising and lowering mechanism at the back, the Advantage Pass Through's internal capacity is significantly increased within the same footprint as comparable machines. Yet, with its 30% increased load capacity, it can accommodate a 600 x 500mm basket as well as the standard 500 x 500mm so it can hold 16 x 32cms or 24 x 26cms plates, a GN 1/1 tray or other large plates and dishes.



**Self cleaning.** Every detail of the inner chamber has been designed to prevent the accumulation of grease and dirt. The machine also has a self-drain and self-clean function which means that manual cleaning is virtually unnecessary.

## A D V A N T A G E

**Perfect wash.** A choice of three, carefully calibrated, wash cycles will address every type of load while a special 'Soft Start' option, which begins gently before gradually building to full wash pressure, allows the dishwasher to be used for more delicate items. The control panel continuously monitors progress and function.

**Comfortable workspace.** The hood and wash tank are double insulated to prevent both heat and noise escaping. This, combined with a silent, cavitation-free water circuit makes the Advantage one of the quietest pass through machines available today.

OVER 1700  
PLATES/HOUR



**User friendly controls.** The control panel is exceptionally easy to use and completely self explanatory. The panel itself is fabricated from a highly durable material that makes it resistant to fading from wear and chemical contact.



The superior materials and advanced components used throughout the build of the heavy duty Advantage pass-through have been carefully selected and exhaustively tested to ensure the highest levels of reliability, durability, longevity and safety.

## T H E   B U I L D   A D V A N T A G E



**Durable.** The Advantage is constructed almost entirely from high grade, AISI 304 stainless steel for maximum durability and longevity.

**Tried and tested.** These machines have been rigorously tested for reliability under extreme conditions. For example, the hood's raising and lowering mechanism has been tested through almost half a million, faultless actions – far more than would be normal during the life of the machine.

**Safe.** Advantage dishwashers are WRAS compliant and are rated IPX4.



## O N G O I N G

## A D V A N T A G E

The superb build quality of the Advantage means that it is an exceptionally durable and ultra reliable machine on every level. Each component part has been tested for performance and longevity and has been designed to withstand continuous, everyday use. A further plus is that the controls are especially easy to use, preventing the chance of operator errors.

**Fault finding.** An integrated fault locating system identifies and warns of malfunctions, thus helping solve potential problems before they arise.

**Spare parts.** Nelson holds stock of virtually every spare part meaning that a first call fix is almost always assured.

**Maintenance and servicing.** Ready access to all areas of the machine makes the day to day maintenance exceptionally easy. At installation, Nelson's policy is to give full staff training in all aspects of routine care which, in our long experience, has always resulted in a great reduction in operator generated malfunctions.

**Guarantees.** Every Advantage machine comes fully guaranteed and extended warranty packages are available.

**Support.** Our outstanding support service is available to all Nelson customers. 35+ years' experience means that our advice and problem solving expertise is second to none. We provide a free telephone helpline, free online advice and, should it be needed, our highly skilled engineers achieve a first call fix almost every time.



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(this brochure)

# T H E E N T I R E A D V A N T A G E

## GLASSWASHERS



Model AD-40-U-G	Model AD-50-U-G	Model AD-51-F-G
400mm sq. basket	500mm sq. basket	500mm sq. basket
Under counter model	Under counter model	Upright model
19 pint glasses	36 pint glasses	36 pint glasses

The pint glass capacities stated are based on 80mm dia lager glasses.

## DISHWASHERS



Model AD-40-U-D	Model AD-50-U-D	Model AD-51-F-D	Model AD-60-H-D
400mm sq. basket	500mm sq. basket	500mm sq. basket	upto 500x600 basket
Under counter model	Under counter model	Upright model	Pass-through model
400 items per hour	700 items per hour	900 items per hour	1700 items per hour

Nelson reserve the right to change product specifications at any time without prior notice.

NK (500mm sq. basket)



Base rack wide meshed

NK 110 (500mm sq. basket)



Raised base rack NK  
Inside height 110 mm

CR 140 (500mm sq. basket)



Raised base rack NK  
Inside height 140mm

X L P (600 x 500mm basket)



For 24 plates 24cm in diameter

P18-12 (500mm sq. basket)



For 18 flat or 12 deep plates



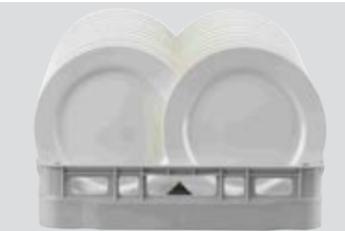
For 16 flat or 12 deep plates

P15 (500mm sq. basket)



For 15 large, flat and deep plates  
over 18cm diameter

X L P B (600 x 500mm basket)



For 22 plates 22deep plates

BK (500mm sq. basket)



Cutlery rack finely meshed

CBS



Cutlery basket fits between the  
the pegs for stability

BKS



Raised base rack NK  
Inside height 140mm

X L P C (600 x 500mm basket)



For 10 gastronorm or 12 trays  
up to 47cm length

ADVANTAGE PASS THROUGH DISHWASHER

	AD-60-H-D
Electronic control	•
Basket dimensions (mm)	500 x 500 or 600 x 500
Baskets/hour*	60/30/20
Programmes	3
External water softener option	•
Soft start	•
Automatic self clean	•
Wash arms stainless steel	2
Rinse arms stainless steel	2
Dynamic and multi level filtration	•
Drain system intergrated pump and filter	•
Rinse pump	•
Thermal-acoustic insulation hood and wash chamber	•
Insulated rinse boiler	•
Double skinned walls	•
Double skinned hood	•
Rinse aid dispenser	•
Detergent dispenser	•
WRAS Type 'a' air gap	•
Usable loading height (mm)	420
Baskets supplied	2 basket
Washing tank capacity (ltr)	22
Boiler capacity (ltr)	8
Rinse water consumption(ltr)	2.7
Electrical connection/ total rated power	230V 50Hz single-phase / 7 Kw 400V 50Hz three-phase / 10 Kw
Rinse boiler element (Kw)	6Kw single-phase 9Kw three-phase
Wash tank element	2.2
Washing pump (Kw)	1
External dimensions WxDxH (mm)	716 x760 x 1580/2000
External dimensions with hood handle WxDxH (mm)	734 x760 x 1580/2000
Weight (Kg – net/ gross)	116/128



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