

KEN Polaris focuses on optimal hygiene, efficiency and user-friendliness

KEN Polaris is a new generation of disinfecting washers from KEN A/S. The range includes the models 2211-HOS, 2311-HOS and 2314-HOS. All Polaris models are supplied as pass-through machines. This solution is recommended where physical circumstances allow it, because it ensures an efficient separation of the clean and

unclean sides and so an optimised level of hygiene and reduced risk of hospital infections. Of course, the Polaris models are also available with just one door. Combined with a wide selection of flexible accessories, the KEN Polaris covers the needs for disinfecting washers for most hospital wards, out-patient clinics, CSSD's, private clinics etc.

- Option to choose an intelligent, maintenance-free drying module
- User-friendly operating panel ensures correct operation
- Process Indication Bar shows the status of the program
- Program information etc. shown in plain text on display
- Computer control ensures a uniformly high quality of washing and disinfection
- Individual program options. 4 programming keys as standard
- Option to connect up to 4 types of chemicals - 2 as standard
- Double temperature monitoring
- Wash at up to 3 levels. 6 instrument baskets - DIN 48 x 25 cm
- Lockable cupboard underneath for keeping chemicals - up to four 5 l jars
- Option for external printer for optimal process documentation



KEN total advice

KEN has many years' experience of giving customers advice in choosing the correct type of washer and optimal accessories as well as the overall layout of rinsing rooms. Our aim is to provide the customer with the best possible solution to ensure a uniformly high quality of wash and disinfection as well as a good working environment - all at a reasonable price. Contact KEN, and together we can find the solution which matches your needs.



CSSD's

Quality control is the key word in the CSSD's, where utensils from the whole hospital are collected for reusing and sterilisation before they are reused. At the CSSD's, the utensils are checked and readied before being washed and disinfected.

KEN recommends the Polaris 2314-HOS with suitable accessories for CSSD's. This model is identical to the KEN Polaris 2311-HOS except that its extra depth makes it possible to wash and disinfect autoclave baskets and instrument containers. This is also possible with the KEN 521-OS, which covers even larger wash requirements. The Polaris range also allows the option of a highly efficient, maintenance-free drying module so that the instruments can be processed on wards soon after washing and disinfection. There is also an option of an external printer for process documentation.

CSSD's



Unclean side



Stylish Danish design

The KEN Polaris range has been designed by the Danish designer Thorkild Munk-Hansen.



The easy to see front operating panel with the Process Indication Bar, which continuously shows the status of the wash, ensures simple and user-friendly operation. On the front display information about the program and service messages are shown in ordinary text. The smooth external surfaces are easy to clean, and the handle of the door is ergonomically correctly positioned.

Quality assurance and service

The KEN Quality assurance system is built into the Polaris range to give optimal operational reliability. The machine requests a quality assurance check every 24 hours and a service after 2500 washes. The design is easy to service, with easy access to all components. Read about the KEN Internet-based Quality assurance concept at www.kvalitetssikring.net.

The KEN Polaris meets applicable EU Directives and is designed in accordance with ISO 15883, which includes a test of cleaning ability to SIS-TR 3:2001 (previously SPR1).

Costs and environment

The low water and electricity consumption make KEN Polaris an environmentally friendly choice with low running costs. Individual dosing of chemicals in all programs and phases help to keep costs down as well as ensuring that there are no unnecessary discharges to the surroundings.

The Polaris range uses environmentally correct components which can nearly all be recycled when the machine is decommissioned. Those components which cannot be directly recycled are neutral in environmental terms.

A portrait of KEN Polaris

The KEN Polaris 2211-HOS is the perfect choice if your wash needs are limited. It is possible to wash at two levels. If you need to wash up to three levels, then Polaris 2311-HOS covers pretty much all medium to large requirements for a disinfecting wash. The KEN Polaris 2314-HOS is identical to the 2311-HOS except that it is 4 cm deeper, and so can be used to disinfect autoclaves and instrument containers. In all other respects the Polaris models are identical. If you have a very large requirement for disinfecting washers, we recommend the KEN 521-OS.



Intelligent, maintenance-free drying module

For all KEN Polaris models there is an option to use one of the most advanced drying modules on the market which has a maintenance-free blower (carbon free). The drying process can be controlled by temperature (adjusted for the quantity of items) or by time (a fixed time is selected). The air used for drying is drawn through a very efficient High Efficiency Particle Air filter (HEPA) with a large surface and a long lifetime, before it is heated. The HEPA filter removes more than 99.99% of all particles. The module has a flow control which ensures that the process is stopped if there is an insufficient air flow because of, for example, a blocked filter or a blockage in the flow to the wash chamber. A lockable cupboard underneath for keeping chemicals – up to four 5 l jars.

On the right track for quality

The KEN Polaris wash chamber gives a large wash capacity, with a wash of up to three levels and room for six instrument baskets – DIN 48 x 25 cm. Two – three rotating wash/rinse arms ensure an efficient external wash. To ensure an efficient internal wash, even of areas which are hard to access, such as cavities, a flexible, modular insert system is used. The system features a flex-coupling system for easy and quick changes. It is possible to connect up to four types of chemical, so that, for example, aluminium utensils do not come under unnecessary wear during the wash.

Logical program interface with advanced computer control

The computer control of KEN Polaris includes four programming keys which make daily operation easy and transparent. The open program structure allows for unlimited combinations of programs, and so covers future needs too. Automatic monitoring of the wash pressure, double temperature monitoring, flexible chemical dosage and drainage control for every emptying contribute to a high quality of wash and disinfection and lower running costs.

External printer for documentation

All the machines in the Polaris range can be linked to an external printer for process documentation. The printer solution is adapted for the KEN quality assurance concept, and printers can be placed, for example, in an office. Up to 10 centrally positioned Polaris washers which otherwise run independently can use the same printer. See the separate product data sheet for more information.



Focus on values - local and global

KEN A/S is a forward looking, hi-tech Danish company built on the core values of:

- good, flexible relations with customers
- skilled and well-trained personnel
- a product range which is up-to-date and relevant to the market

We draw the motivation for our daily work from working with our customers, both in Denmark and abroad. We listen to their needs and requirements, we give advice and follow up on deliveries as well as providing the service that our customers want. A well-running and trusting relationship between us and our customers is of the highest importance – for both parties.

Right from the very start, over 60 years ago, KEN has considered its employees to be the most valuable resource it has. In a spirit of mutual respect, cooperation and constant development we aim to be an attractive place to work and to provide a solid foundation for a thriving and stable life – both at work and outside.

Today KEN is amongst the absolute leaders both on the home market and in a large number of export markets. We develop, produce and sell disinfecting washers and tray washers to the health sector, as well as washers for commercial kitchens and the food processing industry. Our research into new possibilities and the development of new products using environmentally friendly, efficient and reliable systems will consolidate and expand KEN's position in the markets of tomorrow.

We make a difference – both locally and globally

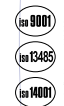
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DISINFECTING WASHERS KEN POLARIS 2211/2311/2314-HOS



**- increased efficiency
for protection against hospital infections**



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Insert - standard:

Item no. 8300220

1 trolley for washing at 3 levels
for model 2311-HOS

Insert - standard:

Item no. 8300242

1 trolley for washing at 3 levels
for model 2314-HOS

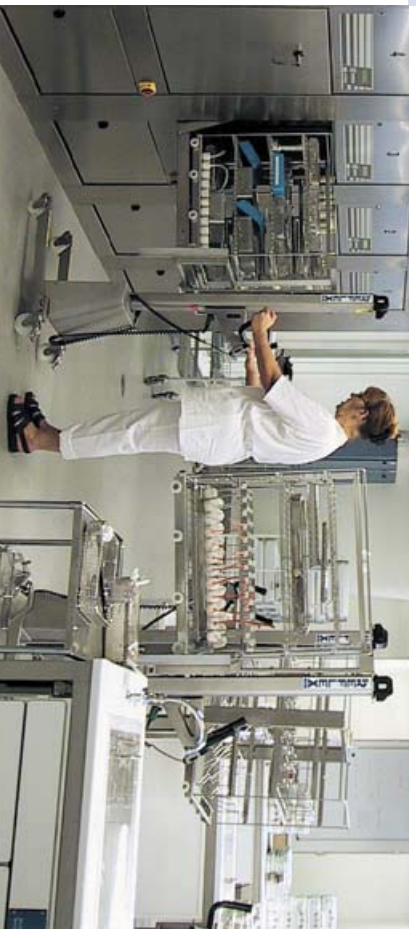
Let KEN help you to find the
solution which best suits your
department.



Insert - standard for model 2311-HOS



Insert - standard for model 2314-HOS



Intensive care

Normally patients stay in intensive care for 24 hours, unless complications arise. This rapid change-over of patients creates a need for a lot of washing and disinfection of very different equipment, including many types of specialist equipment. Such a large volume in turn places demands on the reliability of the washer, and the machine has to be easy to operate because of the number of different personnel who use it.



Insert - alternative 1

Intensive care



The KEN Polaris 2311-HOS is a reliable solution which always gives a uniform wash and high-quality disinfection. Various inserts are available for the Polaris, for efficient internal washes too.

Insert - standard:

- Item no. 8300397
- 1 base basket for internal washes
- 1 distribution pipe for 10 nozzles
- 3 jet stands for respirator bags
- 7 jet nozzles for anaesthetic tubes
- 1 hanger for tubes
- 2 wire baskets
- 1 basket with cover
- 1 instrument basket with cover, 250 x 170 mm

Insert - alternative 1:

- Item no. 8300398
- 4 instrument baskets
- 1 basket for 12 kidney dishes
- 2 wire baskets
- 1 rectangular net basket with loose cover

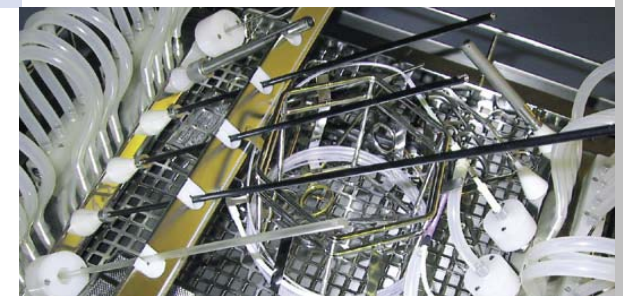


Insert - standard

The Polaris range also allows the option of a highly efficient, maintenance-free drying module so that the instruments can be processed onwards soon after washing and disinfection. There is also an option of an external printer for process documentation.



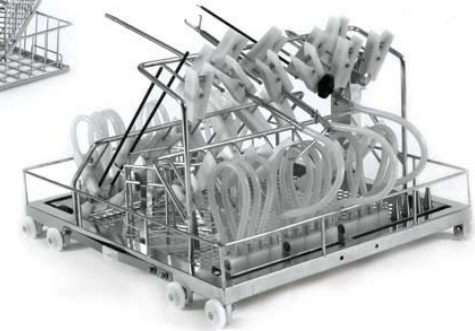
Let KEN help you to find the solution which best suits your department.



Insert - detailfoto

Day surgery – Outpatient clinics – Specialist clinics

Every day at day surgeries, outpatient clinics and specialist clinics many types of examinations and treatments are performed, both scheduled and emergency. This creates a requirement for quick and efficient washing and disinfection of pretty much every kind of instrument and utensil, both internally and externally. KEN recommends as a basis the Polaris 2311-HOS with optional accessories for internal washing.



Washing of cavities, Insert - standard



Insert - alternative 1



Emergency Room/Clinic, Insert - standard

Emergency Room/Clinic, Insert - standard - detailfoto

Washing of cavities

Insert - standard:

Item no. 8300394

- 1 base basket
- 1 complete insert for rigid scopes
- 1 holder for narrow tubes
- 7 conical jets for hollow instruments
- 2 wire baskets
- 1 basket with cover

Washing of tubular cavities

Insert - alternative 1:

Item no. 8300395

- 1 trolley for rigid scopes and tubular instruments

Emergency Room/Clinic insert - standard for model 2211-HOS :

Item no. 8300396

- 1 upper level with fixed distribution pipe
- 2 instrument baskets
- 1 basket with cover

Let KEN help you to find the solution which best suits your department.

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OP-department

There is constant pressure on the OP-department. In addition to scheduled operations, there are often peak loads because of, for example, acute emergencies. Instruments have to be washed, disinfected and sterilised quickly so they are ready to use again. The large volume of specialised instruments to be made ready poses special demands on the equipment of the washer. KEN can provide both disinfecting washers and special accessories which cover every need. As a basis, we recommend the KEN Polaris 2311-HOS with appropriate equipment, but if the capacity required is especially large, then the KEN 521-OS is the obvious solution.



Insert - standard

OP-department



The Polaris range also allows the option of a highly efficient, maintenance-free drying module so that the instruments can be processed onwards soon after washing and disinfection. There is also an option of an external printer for process documentation.

Insert - standard:

Item no. 8300388
4 instrument baskets
1 basket with cover

Insert - alternative 1:

Item no. 8300389
1 trolley for washing in three levels
6 instrument baskets

Insert - alternative 2:

Item no. 8300390
2 instrument baskets
1 washing level designed for connection of baskets for cavities
1 insert for washing cavities, with clamp fixation
1 insert for washing cavities, with flexible fixation



Insert - alternative 1



Insert - alternative 2

Detailfoto



Let KEN help you to find the solution which best suits your department.



Anaesthesia department

The Anaesthesia department is an important part of the chain which ensures the surgical flow in hospitals. This means it is important to be able to wash, disinfect and sterilise the anaesthetic equipment quickly so that there is always equipment ready to use.

For this, the KEN Polaris 2311-HOS is the optimal solution. KEN has developed special baskets and inserts to meet the particular needs of the anaesthetics department for efficient internal washing and disinfection.

Anaesthesia department



The Polaris range also allows the option of a highly efficient, maintenance-free drying module so that the instruments can be processed onwards soon after washing and disinfection. There is also an option of an external printer for process documentation.

Insert - standard:
Item no. 8300147
anaesthesia trolley for model 2311-HOS

Insert - standard:
Item no. 8300148
anaesthesia trolley for model 2314-HOS



Let KEN help you to find the solution which best suits your department.



Insert - standard for model 2311-HOS



Insert - standard for model 2314-HOS

Insert - standard detailfoto



Wards

During the day especially, the wards have a large requirement for disinfecting washes, especially external washes of items such as dishes and bowls. Typically, such utensils are collected for washing and disinfection in the morning, and the peak load comes in the morning at the same time as the patients need to be washed and made comfortable. KEN recommends as basic a Polaris 2211-HOS, but if there is a particularly large demand for capacity, the Polaris 2311-HOS can be the best choice.

Wards



The Polaris range also allows the option of a highly efficient, maintenance-free drying module so that the instruments can be processed onwards soon after washing and disinfection. There is also an option of an external printer for process documentation.



Insert - standard

Insert - standard:

- Item no. 8300391
- 1 wire basket
- 1 basket for 6 wash basins
- 1 basket with cover

Insert - alternative 1:

- Item no. 8300392
- 1 basket for 12 nursing kidney dishes
- 1 basket for 6 wash basins
- 1 wire basket

Insert - alternative 2:

- Item no. 8300393
- 1 insert for washing cavities
- 1 wire basket
- 1 basket with cover

Let KEN help you to find the solution which best suits your department.



Insert - alternative 1



Insert - alternative 2

Insert - alternative 2 - detailfoto

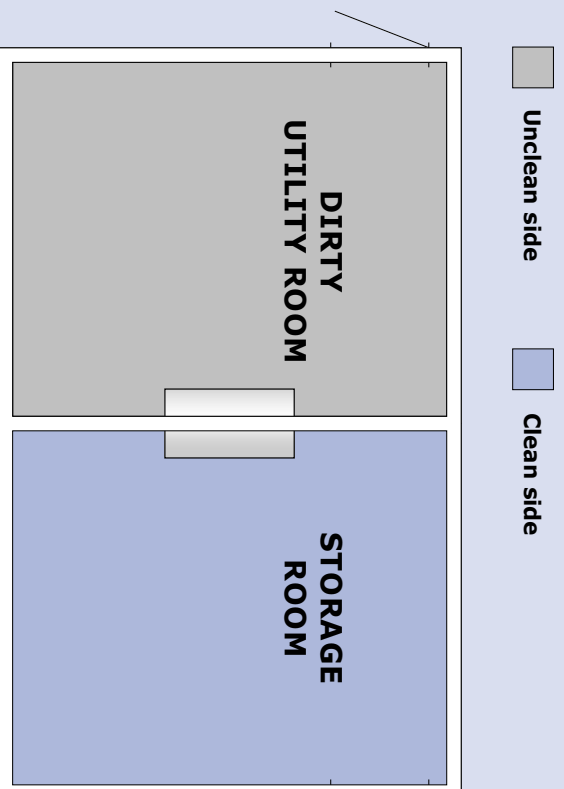


Pass-through machines help to increase the level of hygiene in the department

The risk of hospital infections amongst the patients is a real and recognised problem in the hospital sector. Obviously, combating this risk has to take place on several fronts, but choosing a pass-through machine for daily disinfecting washing creates the basis for a significantly higher level of hygiene for the individual department.

All KEN Polaris models are supplied as pass-through machines. A pass-through solution allows a clear separation of the unclean and clean sides in the utility room. This means it is not possible to open the door on the clean side when there are dirty utensils in the washing chamber, and similarly the door on the unclean side cannot be opened after the end of the wash and disinfection until the machine has been emptied. This leads to a significant reduction in the risk of infection.

Clean side



Lift the tab

The tabs in this brochure let you easily look up your department or area. Here you can see an overview of the optimal solutions for specific needs, both in the selection of KEN Polaris disinfection washers and optimal accessories.

Ask KEN to help with skilled and impartial advice.