GETINGE配件中国公司
绿图控仪器仪表有限公司
电话：13650779822　　13042088181

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GETINGE GROUP

GETINGE HS33
ARTICLE LIST

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GETINGE HS33 ARTICLE LIST (based on Price list 2012)		HS33 is delivered with an integrated printer as standard, mounted on loading side. Rack, 483758470, and one perforated aluminum tray, 483758670, incl. as standard.	
Art.no	Description		
978055004	**Manual single door OP20**	Manual vertically opened door. Membrane button display.	
978053004	**Automatic single door OP20**	Automatic vertically opened door, controlled by compressed air. Membrane button display.	
978054004	**Automatic double door OP20**	Automatic vertically opened doors, loading and unloading side. Controlled by compressed air. Membrane button display.	
978055024	**Manual single door Classic II**	Manual vertically opened door. Piezo button display.	
978053024	**Automatic single door Classic II**	Automatic vertically opened door, controlled by compressed air. Piezo button display.	
978054024	**Automatic double door Classic II**	Automatic vertically opened doors, loading and unloading side. Controlled by compressed air. Piezo button display.	
978055034	**Manual single door Avanti**	Manual vertically opened door. 8.5″ color touch display.	
978053034	**Automatic single door Avanti**	Automatic vertically opened door, controlled by compressed air. 8.5″ color touch display.	
978054034	**Automatic double door Avanti**	Automatic vertically opened doors, loading and unloading side. Controlled by compressed air. 8.5″ color touch display on loading side. Piezo button display on unloading side.	
INSTALLATION OPTIONS HS33			
48320259	2-line recorder, Jumo, for OP20	Jumo two-line recorder for independent measurement of chamber pressure and temperature. Incl. absolute pressure transducer and separate PT-100 temperature sensor.	
48320545	2-line recorder, Jumo, for Classic II and Avanti		
48320441	USB process documentation unit (incl. RS232 cable connection kit)	Connects to the sterilizer via the serial printer interface. The system receives all available data and stores the protocol on the USB stick.Together with the system, there is a basic software delivered to be installed on a PC to enable digital signing and storage. The data should be transformed from the stick to a pc for documentation procedures like load/cycle release and digital signing. An approved sterilization process is confirmed in the software and then transformed into a PDF format.	
48320507	RS232 connection	Serial data communication. Demand if the sterilizer will be connected to any external documentation system. Mounted on the back side of the sterilizer if single door. If double door after discussion.	

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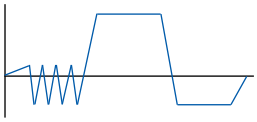
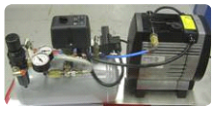
48320250	Liquid program for non-sealed bottles incl. load sensor	Only for liquids in non-sealed bottles. Max bottle size 1,000 ml (best choice 250-500 ml). The sterilizer is equipped with a load sensor and the process is controlled by the temperature of the liquid. The process also controls that the sensor is placed in the liquid and that the temperature is below 95 °C before the door interlock system allows the door to be opened. The built-in printer registers the load sensor temperature and the pressure.	
48320258	Liquid program for non-sealed bottles incl. load sensor and 3-line recorder, for OP20	Only for liquids in non-sealed bottles. Max load 6 l, max. bottle size 1,000 ml (best choice 250-500 ml). The sterilizer is equipped with a load sensor and the process is controlled by the temperature of the liquid. The process also controls that the sensor is placed in the liquid and that the temperature is below 95 °C before the door interlock system allows the door to be opened. A line recorder with three channels is connected and the sensors work independent.	
48320546	Liquid program for non-sealed bottles incl. load sensor and 3-line recorder, for Classic II and Avanti		
48320194	Optional program	The customer defines the program parameters - e.g what type of load, time, temperature and pressure. If type tests are required, separate offer has to be given.	
48320257	Reverse osmosis system (installation incl. when ordered together with sterilizer)	Osmosis system with three pre filters (one sediment filter of 5 micron and two carbon filters of 10 micron) one TFC membrane and a booster pump. Thereupon a DS150 deionizer is mounted for the final polishing of the osmose water. The complete plant is mounted inside the sterilizer. A water quality sensor supervises the water and gives a message on the sterilizer display if the water quality level gets above the set conductivity level. Together with the osmose system one service kit is delivered, containing pre-filters and mixed bed resin for the deionizer.	
48320532	Ventilation	Choose ventilation side – see Product specification. The sterilizer demands good ventilation. A fan is taking care of the necessary cooling-down of the PLC and general sterilizer system. The fan must never be blocked. The ventilation is as standard placed on the left upper central side from loading view, but can also be placed on the right upper central side, or top-mounted, centrally placed 120 mm from the front.	No picture
48320533	Media connection (water, air, RS232)	Choose connection side – see Product specification. The connection is mounted on the back side when single door. If double door: choose between connection on the left side from loading view (standard) or on the right side from loading view.	No picture
48320295	Built-in compressor for automatic door model	For automatic door solution, in clinics where compressed air is not available. The compressor is serving the door opening and closing function with air and is built-in into the sterilizer cabinet next to the water treatment system.	
4839863	Set of feet with wheels	Set of wheels to be mounted on the sterilizer to simplify service. The sterilizer is easier to move from its installation position. The wheels are replacing the standard feet.	
483965970	Wall connection, stainless steel	Stainless steel frame to be mounted around the sterilizer when built-in in a wall. Width 88 mm.	

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ACCESSORIES HS33

483766470	Loading trolley	Loading trolley, which can be docked to the sterilizer door handle on manual door and a docking device on automatic doors. On the loading trolley a tray on rollers can be placed, which facilitates the movement of the load into/out of the sterilizer.	
483766570	Tray with rollers, perforated, stainless, 600 x 310 x 35 mm	Perforated tray with rollers that simplifies the loading and unloading of the sterilizer. To be used together with the loading trolley.	
483766571	Tray with rollers, unperforated, stainless, 592 x 292 x 35 mm	Unperforated tray with rollers suitable for liquid loads (takes care of spillages) that simplifies the loading and unloading of the sterilizer. To be used together with the loading trolley.	
48320429	Rack on wheels, stainless	Stainless steel rack with three levels for trays 483229401 or 483229402. To be placed direct in the chamber.	
48320428	Rack on wheels for 18 dental trays, stainless	Stainless steel rack for 18 dental trays (287 x 186 x 19/38 mm). To be placed direct in the chamber.	
483758470	Rack, aluminum. Included at delivery of the sterilizer.	Fixed aluminum rack with three levels version. Space between the shelves in the middle section is 96 mm and in the outer section 92 mm. The rack is dimensioned for the trays 483758670 and -671 (603 x 308 x 15 mm).	
483758670	Tray, perforated, aluminum, 603 x 308 x 15 mm	Aluminum tray for the fixed aluminum rack 483758470.	
483758671	Tray, perforated, stainless, 603 x 308 x 15 mm	Stainless steel tray for the fixed aluminum rack 483758470.	
483758672	Tray, unperforated, stainless, 603 x 297 x 30 mm	Stainless steel tray for the stainless steel rack 48320429. Suitable for the sterilization of liquids.	
483758673	Tray, perforated, stainless, 603 x 297 x 15 mm	Stainless steel tray for the stainless steel rack 48320429. Suitable for the sterilization of liquids.	
483229401	Tray, perforated, aluminum, 583 x 293 x 15 mm	Aluminum tray for the stainless steel rack 48320429.	
483229402	Tray, perforated, stainless, 583 x 293 x 15 mm	Stainless steel tray for the stainless steel rack 48320429.	
466309201	Instrument tray, stainless, 340 x 250 x 70 mm	Tray for instruments SPRI II.	
466309101	Instrument tray, stainless, 250 x 170 x 70 mm	Tray for instruments SPRI III.	
483703770	Basket, stainless, 590 x 300 x 190 mm	Basket preferably used together with the tray on rollers.	
483703771	Basket, stainless, 590 x 300 x 100 mm	Basket preferably used together with the tray on rollers.	
48320618	Logbook	Logbook for Getinge Skärhamn sterilizers.	No picture

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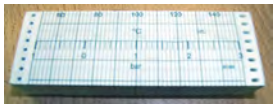
CONSUMABLES HS33			
48320124	Cartridge for DS200	Package of four resin bags. Total capacity at 200 ppm is approx. 2,000 l.	
4835917	Resin pack, 25 liters	Capacity at 200 ppm is approx. 3,200 l.	
48320265	Annual service kit for reverse osmosis system incl. resin for deionizer	For RO system 48320257. Contains a filter kit (two carbon and one sediment filter) and a pouch of mixed bed resin for the inbuilt deionizer. Replacement recommended twice a year.	
4836052	TFC spare membrane for reverse osmosis system	Osmosis membrane. The replacement interval is depending on the incoming water quality and the maintenance of the RO pre-filters.	
483568601	Paper for recorder	Paper for the two-line Jumo recorder graded from 50 to 150 °C. Delivered in package of two.	
570121305	Pen, red, for recorder	电话：13650779822 13042088181 Pen for Jumo Line recorder, not refillable.	
570121306	Pen, green, for recorder		
4836098	Paper for Martel printer	Thermal paper. Achievability 15 years acc. to certificate if stored acc. to specification (23 ±5 °C in 50 ±10% atmospheric humidity, dark, and no mechanical influence). Delivered in rolls of one.	
SERVICE EQUIPMENT HS33			
4839420	Abs. manometer, 1/4″ connection	Digital absolute pressure manometer for the calibration of the sterilizer pressure transducers. Incl. a kit of couplings for adoption to most sterilizers.	
4835661	Test instrument for water quality (0 to 99 µS)	To check the water quality for steam generation (0 to 99 µS).	
4836004	Test instrument for tap water quality (10 to 1,000 µS)	To check the tap water quality (10 to 1,000 µS).	
4836041	Validation thermocouple entry gland, 4 sensors and pressure entry	Validation entry for 4 thermo-couple sensors, 1/4 BSP taper male. The size of the throughput suits small sterilizers since it is important that the entry itself (together with the measuring equipment) does not become a load for the sterilizer.	No picture
4836042	Validation thermocouple entry gland, 12 sensors and pressure entry	Validation entry for 12 thermo-couple sensors, 1/4 BSP taper male. The size of the throughput suits small sterilizers since it is important that the entry itself (together with the measuring equipment) does not become a load for the sterilizer.	No picture
4835967	Thermo instrument (for measuring steam generator temperature)	To be put into the measurement hole on the front side of the sterilizer.	
4835736	Tool for dismounting E-prom and processors	Simplifies the dismount of processors and E-Proms.	

For more information: **www.skarhamn.getinge.com** and **www.getinge.com**
Program combinations and further specifications, see separate Product specification.
Accessories are described in a special leaflet available on our web page and on X-net.

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Article List Getinge HS33 1201 EN

COMPLETE SOLUTIONS FOR INFECTION CONTROL

Getinge is the world's leading provider of solutions for effective cleaning, disinfection and sterilization in the healthcare and life science sectors. We are dedicated to helping our customers provide better care at a lower cost. We do this by offering well thought through and customized solutions. This means that we are with our customers all the way from architectural planning and education to traceability and support – with complete solutions, long-term commitment and global presence.

Getinge – Always with you

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