



# NORMIT

our ideas work

## ***KNIFE AUTOCLAVE NORMA***

***AUTOKLÁVY NA STERILIZÁCIU ZDRAVOTNÍCKEHO ODPADU  
SCHREDER AUTOKLAV NORMA***



**ISO  
9001**



## KNIFE AUTOCLAV NORMA

### *AUTOKLÁV NORMA SCHREDER AUTOKLÁV NORMA*

high quality autoclave for the decontamination of medical waste, whose range is divided into two basic product lines..

*KNIFE AUTOCLAVE NORMA A SCHREDER AUTOCLAVE NORMA*

# Economic, Ecological, Efficient

- Made in Slovakia
- Made from the finest materials originating exclusively with the EU
- Quality Certificate -ISO 9001
- Meets CE standards
- High quality stainless steel AISI 304



Medical waste contains infected material such as syringes, test tubes, various kinds of paper and plastic. This kind of waste must be separated and then disposed of efficiently and environmentally.

AUTOCLAVE standards provide professional decontamination of hazardous medical waste. After sterilization may be hazardous waste disposal as conventional. After treated in an autoclave NORM, waste is environmentally friendly and epidemiologically.

## **ENVIRONMENT**

NORMA autoclave is safe and environmentally friendly, because thanks to the steam system sterilizes the waste, which can then be disposed of as regular trash.

## USES

AUTOCLAVE NORMA is intended for hospitals, clinics, outpatient clinics, laboratories, dialysis centers, veterinary, scientific laboratories, blood banks and other health care facilities that produce infectious medical waste or other facilities regulated by law.

Waste categories are listed in the European Waste Catalogue and can be further defined by national legislation. Although infectious waste is only a small part of the total waste of medical devices represents a significant part of the costs incurred by health care facilities for disposal of medical waste.

The autoclave NORMA can be used for sterilization / decontamination of these wastes:

CODE	European Waste Catalogue (2000/532/EC)
15 01 02	Plastic packing
15 01 07	Glass packaging
18 01 01	Sharp objects (except 18 01 03)
18 01 02	Parts of organs and bodies, blood pouches and blood reservoir( except 18 01 03)
18 01 03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection.
18 01 04	Wastes whose collection and disposal is is not subject to special requirements in order to prevent infection (eg. Dressings, plaster casts, linen, disposable clothing, diapers)
20 01 01	Paper and paperboard

## HOW IT WORKS

1. Contaminated waste is placed into the upper chamber
2. After loading the cover is closed and turns on crushing / resp. cutting. Crusher respectively. Cutter crush the waste into small pieces.
3. Saturated steam to ensures heating to 138 ° C
4. Saturated steam comes into direct contact with the crushed product, sterilization is ensured by maintaining the temperature at 138 ° C for 10 min.
5. The temperature is lowered to 80 ° C by means of cold water which is injected into the vessel.
6. Vapor condenses and together with cold water discharged into the sewer system.
7. The remaining steam is drained by a vacuum system.
8. Digital signal informs the operator that was met all the operating conditions. Then unlock the device and allow the unloading of the processed waste to the container.

## MONITORING AND MANAGEMENT OF PROCESSES

The touch screen displays the temperature and the pressure inside the vessel during the cycle.

Manometer indicates the pressure inside the generator.

Automatic control is controlled by programmable logic controllers, which is able to store data on a memory card \*

The printed record: paper recorder with printer prints a record with the number of the machine, number of cyclus, the date and the temperature and pressure that induce the disinfecting cycle has been carried out successfully.

\*Data storage via USB or remotely

\* *optional*

## SECURITY:

- Gaseous outputs are filtered (0.2 $\mu$  microbiological filtration), condensed
- Liquids are decontaminated and cooled
- Crusher / or. the cutters are decontaminated in each cycle
- Special system allows complete decontamination of liquids
- For your safety, you can not start crushing / cutting when the lid is open.
- The devices are individually tested and certified at the factory.



NORMIT The company has rich experience in manufacturing machinery and equipment for the pharmaceutical industry. Our facilities are sold to European and international markets and through optimum price-performance ratio has great interest.

## KNIFE AUTOCLAVE NORMA

- Equipment for the sterilization of medical waste KNIFE AUTOCLAVE NORMIT is an automatic device for sterilization of hazardous waste with integrated cutting knives.
- The sterilization chamber is fixed or foldable, chamber is used for automatic discharge of waste
- The cutting blades are selected according to the desired degree of cutting
- The device KNIFE AUTOCLAVE NORMA is easy to use and safe for employees, does not require special qualifications
- The device is very efficient because it eliminates the costs for chemical disinfection and Consumables
- There is no need for staff who work with hazardous waste
- Processing and sterilization of waste are safe for the environment (not used toxic chemicals and does not generate hazardous by-products)
- The volume of recycled waste would be reduced by several tens



## SCHREDER AUTOCLAVE NORMA

- Equipment for the sterilization of medical waste SCHREDER AUTOCLAVE NORMA is an automatic device for sterilization of hazardous waste with integrated grinding system.
- The sterilization chamber is fixed or foldable, chamber is used for automatic discharge of waste
- The device SCHREDER AUTOCLAVE NORMA is easy to use and safe for employees, does not require special qualifications
- The device is very economical because it eliminates the cost of chemical disinfection and Consumables
- There is no need for staff who work with hazardous waste
- Processing and sterilization of waste are safe for the environment (not used toxic chemicals and does not generate hazardous by-products)
- The volume of recycled waste would be reduced by several tens



**TECHNICAL PARAMETERS AND PRICE LIST OF KNIFE AUTOCLAVE NORMA**

Model	KAN30	KAN60	KAN80	KAN200	KAN300	KAN500
Volume	30 l	60 l	80 l	200 l	300 l	500 l
Average cycle, min	20-45	20-45	20-45	20-45	20-45	20-45
The average density of the waste kg / m <sup>3</sup>	100	100	100	100	100	100
The average weight of the treated waste kg / hr	3-5	6-8	8-10	20-30	30-40	40-55
Price EUR without VAT	<b>15 700,-</b>	<b>29 000,-</b>	<b>30 900,-</b>	<b>45 000,-</b>	<b>61 000,-</b>	<b>93 900,-</b>

**TECHNICAL PARAMETERS AND PRICE LIST OF KNIFE AUTOCLAVE NORMA**

Model	SAN30	SAN60	SAN80	SAN200	SAN300	SAN500
Volume	30 l	60 l	80 l	200 l	300 l	500 l
Average cycle, min	20-45	20-45	20-45	20-45	20-45	20-45
The average density of the waste kg / m <sup>3</sup>	100	100	100	100	100	100
The average weight of the treated waste kg / hr	3-5	6-8	8-10	20-30	30-40	40-55
Price EUR without VAT	<b>17 000,-</b>	<b>32 000,-</b>	<b>34 000,-</b>	<b>49 000,-</b>	<b>67 500,-</b>	<b>104 000,-</b>

NORMIT s.r.o., Pezinská cesta 5104, 901 01 Malacky

E-mail: [info@normit.sk](mailto:info@normit.sk), Tel.: +421 902 400 321

[www.normit.sk](http://www.normit.sk)