



TYPHOON™, TORNADO™ AND NINJO™

Flusher disinfector range

Proven efficacy¹ in helping to reduce healthcare associated infections



In the fight against healthcare associated infections (HCAI), managing human waste safely is crucial. Using flusher disinfectors to empty, flush, clean and disinfect bedpans, urinals and other human waste receptacles can significantly reduce the risk of cross-contamination and support efforts to contain and prevent nosocomial infections.¹

In a 2018 study, our Ninjo, Tornado and Typhoon flusher disinfectors have been verified to effectively remove over 99.99% of *C. difficile* spores.²

Other benefits such as no-touch operation, functional accessories and a selection of durable material finishes make Arjo flusher disinfectors ideal for supporting a well-planned infection control system at your facility.

Healthcare associated infections are a prevalent and global concern

4%

Hospital-admitted patients in a US study who acquired at least one HCAI.³

Over 2.6 million

New patients identified as having HCAs each year in the EU/EEA.⁴

9.1%

Overall prevalence rate of HCAs in Southeast Asian countries.⁵

Arjo flusher disinfectors have shown to remove over **99.99%** of *C. difficile* spores.²

Arjo flusher disinfectors

Powerful allies in preventing cross-infections



Typhoon

Known for its View in Process (VIP) glass door which allows you to check on the progress at any time during the cycle. Typhoon also features a sliding door, and an automatically rotating holder as a standard feature.



Tornado

With an enhanced software system, PACS350, Tornado offers a process control and tracking feature for traceability.



Ninjo

Available in a selection of modular units and material finishes, Ninjo offers a high level of design flexibility to suit your needs and preference.

PRODUCT INFORMATION	NINJO	TORNADO	TYPHOON
MODEL			
Free standing model	✓	✓	✓
Under-counter model	✓	✓	-
Wall-mounted model	✓	✓	-
FLEXIBLE DESIGN			
Polymeric casing	✓	✓	-
Stainless steel casing	✓	✓	•
AUTOMATIC DOOR FUNCTION			
Using IR sensor	-	✓	•
Using IR sensor with foot pedal	-	✓	-
STEAM GENERATION FOR DISINFECTION			
Internal steam generator	•	•	•
DISINFECTION			
Time/temperature	✓	✓	✓
A ₀ value 60	✓	✓	✓
A ₀ value 600	✓	✓	✓
A ₀ value controlled process	-	•	-
Pipe System Disinfection	•	•	•
COOLING			
Blower with H13 HEPA filter	✓	✓	-
External cooling	-	-	•
PROCESS DOCUMENTATION			
Via printer or USB	-	✓	-

• Standard equipment ✓ Optional equipment



Ninjo

Attractive modern design meets excellent disinfection performance. The Ninjo delivers effective cleaning and disinfection results, and offers a high level of design flexibility.

PRODUCT INFORMATION			
NINJO	Free standing	Under counter	Wall-mounted model
Weight	90 kg	70 kg	70 kg*
Dimensions (WxDxH) in mm	450x580x1320	450x580x1320	450x580x1320*
Noise level		53 db (A)	
Electric connection		230V, 1N, 50 Hz, 1x16A	
Energy consumption		0.16 kWh/cycle	
Water consumption		Economy program 11 litres/cycle ±10%	Normal program 18 litres/cycle ±10%

* Not including wall mounts and frame



COOLING FAN

Built-in cooling fan cools containers with HEPA-filtered air (H13).

A₀ VALUE DISPLAY

The user is given a clear indication of the disinfection level by the A₀ value display, to easily keep track of the disinfection progress.

REMAINING TIME SEQUENCE DISPLAY

The remaining time sequence display allows staff to check on cycle progress, enabling them to plan their workflow more efficiently and eliminate time spent waiting for the process to end.

PIPE SYSTEM DISINFECTION (PSD)

This feature disinfects the entire pipe and nozzle system at the end of each cycle, reducing the risk of contamination.

FLEXIBLE DESIGN OPTIONS

Choose from stainless steel or colourful polymeric finish, as well as either free standing, under-counter or wall-mounted modules.



Tornado

Tornado is a high-powered flusher disinfecter for the emptying, cleaning, thermal disinfecting and cooling of human waste containers. Its automated operation features help further reduce the risk of cross-contamination while delivering highly effective cleaning and disinfection results.

PRODUCT INFORMATION		
TORNADO	Free standing	Under counter
Weight	100 kg	120 kg
Dimensions (WxDxH) in mm	450x580x1320	900x620x870
Noise level		53 db (A)
Electric connection		230V, 1N, 50 Hz, 1x16A
Energy consumption		0.16 kWh/cycle
Water consumption	Economy program 11 litres/cycle ±10%	Normal program 18 litres/cycle ±10%
		Intensive program 25 litres/cycle ±10%



COOLING FAN

The built-in cooling fan cools containers with HEPA-filtered air (H13).

A₀ VALUE DISPLAY AND CONTROL

The disinfection phase can also be controlled by either time and temperature, or by the chosen A₀ value.

AUTOMATIC DOOR FUNCTION

To support hygienic non-contact routines, Tornado offers IR sensor or foot pedal operated door opening as added features.

PIPE SYSTEM DISINFECTION (PSD)

This feature disinfects the entire pipe and nozzle system at the end of each cycle, reducing the risk of contamination.

PROCESS RECORD

Enables traceability with detailed records of disinfection operations. Tornado offers the option of recording and tracing processes via printer or USB.





Accessories and design

Further customise your Arjo flusher disinfectant to suit your needs and preference with functional accessories and design options.

Step 1: Choosing the right holder

While the universal holder fits most commonly used receptacles, we also offer a wide range of holders for other types of goods. These holders can handle a variety of bedpans, as well as most commode buckets and urine bottles. For best results, use only compatible holders with your Arjo flusher disinfectors.

Step 2: Adding accessories

We also offer a number of accessories such as our unique, anatomically designed bedpan with lid, and our Arjo Liquids range of rinsing agents and cleaning detergents formulated to boost the efficacy of your flusher disinfectant.

Step 3: Designing a complete sluice room

Arjo considers every aspect of the sluice room and provides a wide range of support from training in good hygiene routines to advice on room layout and equipment selection. We also offer a complete furniture concept for the sluice room, enabling you to create a hygienic and safe working environment.

Typhoon

Efficiency meets high performance in Typhoon, a fully automated flusher disinfectant with a range of user-friendly features.

PRODUCT INFORMATION	
TYPHOON	
Weight	135 kg
Dimensions (WxDxH) in mm	600x600x1840
Noise level	60 db (A)
Electric connection	230V, 1N, 50 Hz, 1x16A
Energy consumption	0.25 kWh/cycle
Water consumption	Economy program 25 litres/cycle ±10% Normal program 31 litres/cycle ±10% Intensive program 39 litres/cycle ±10%



AUTOMATIC DOOR FUNCTION

Built-in IR sensor supports touch-free operation. Simply wave your hand in front of the sensor and it opens or closes automatically.

VIEW IN PROCESS (VIP)

Allows you to check the disinfection process at a glance.

SLIDING DOOR

A sliding door is a sleek alternative to a swing door, and requires less space to access. In order to avoid splatter, the holder cannot start rotating until the door is closed.

ROTATING HOLDER

Once the door is locked, the holder rotates 150 degrees and empties the receptacles, eliminating the need to manually invert them and thus reducing the risk of cross-contamination. The rotating holder also has integrated nozzles to achieve effective cleaning and disinfection results.

PIPE SYSTEM DISINFECTION (PSD)

Rapid disinfection is delivered through all fixed and rotating nozzles at the end of each cycle, disinfecting the entire pipe and nozzle system and reducing the risk of contamination.





A well-planned sluce room

In the care facility, a well-planned sluce room plays a central role in effective infection control.

An Arjo sluce room solution is always based on four cornerstones essential for maintaining good working practices and achieving a high level of infection control.

Arjo can assist you in all aspects of planning, designing and equipping a sluce room for your facility's needs. We also offer expert insights and detailed guidelines on room layout, and guidance on establishing an effective infection control system.

To find out more, contact your local Arjo representative or visit arjo.com to explore the Arjo Guide for Architects and Planners.

1. Soiled area

A collection point for soiled goods separated from clean areas.

2. Handwash station

A conveniently placed hand wash basin and accessories.

3. Flusher disinfecter

For automated cleaning and disinfection of various bedpans, urine bottles or commode buckets.

4. Clean storage area

A storage location for clean goods separated from soiled areas.

Furniture concepts for the sluice room

Along with our flusher disinfectors, Arjo offers a range of sluice room elements such as cabinetry, shelving and sinks. These elements are designed as modular solutions, allowing a high degree of design flexibility and enabling you to change individual furniture components with ease in the future.



Care combination 900 mm, consisting of flusher disinfectant and a slop pail



Care combination 1350 mm, consisting of flusher disinfectant, a 450 mm base cabinet with hand basin and slop pail



Care combination 2250 mm, consisting of flusher disinfectant, a 900 mm base cabinet with soaking basin, 450 mm base cabinet with hand basin and slop pail



More colour options with the Ninjo and Tornado

Explore a wide range of design options with the Ninjo. Available as a freestanding unit which enables shoulder-height access, or as an under-counter unit to maximise counter space.

Choose from sleek, high quality stainless steel, or bring colour into your sluice room with a colourful polymeric coating (colour code: NCS S 2060-R80B) that is impact- and scratch-resistant, as well as fungistatic, easy to clean and stable. Both options are available as a material finish for the front panels and rinse chamber.

Complement your flusher disinfectant with cabinetry and other functional furniture components, such as overhead cabinetry, shelving and storage racks for bedpan and urine bottle and customisable solutions to meet your individual space requirements.



Arjo Care

Helping to ensure your Arjo equipment performs as it should.



Device failure can be an inconvenient and very costly occurrence. This is particularly the case if your staff must carry out operations manually, which requires more staff time, can be less effective, and puts the safety of your patients and staff at risk.

Arjo Care offers expert servicing for your equipment, from priority response in the case of equipment failure, to scheduled preventive maintenance and inspections to prevent issues before they occur. We perform inspections to provide a detailed assessment of your equipment condition, and perform necessary maintenance works.

We supply only genuine validated parts and accessories, which we can source directly to ensure speedy availability. Supporting compliant processes, we provide the necessary documentation for all inspections and repairs.

Let Arjo Care help keep your equipment performing as it should, so you can focus on what matters: delivering high quality care.

Contact your local Arjo representative to find out more about our tailored service agreements.

Arjo Liquids

Our high performance flusher disinfectors are complemented by a range of specially formulated liquids.



Flusher Rinse

A mild alkaline solution for preventing limescale deposits during the automated cleaning of human waste containers. Flusher Rinse decalcifies your flusher disinfectors and the containers at the same time. Suitable for alkali-resistant surfaces such as stainless steel, ceramics, glass and resistant plastics.

Flusher detergent

A mild alkaline detergent effective in cleaning heavily soiled care utensils. Suitable for alkali-resistant surfaces such as stainless steel, ceramics, glass and resistant plastics.



References

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At Arjo, we are committed to improving the everyday lives of people affected by reduced mobility and age-related health challenges. With products and solutions that ensure ergonomic patient handling, personal hygiene, disinfection, diagnostics, and the effective prevention of pressure ulcers and venous thromboembolism, we help professionals across care environments to continually raise the standard of safe and dignified care. Everything we do, we do with people in mind.

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