

# DDC

**NEW**

# Pulpmatic<sup>®</sup> **FLEX**

Smarter. Safer. Healthcare.



**63%** Less Water\*



**50%** Faster Cycles\*



**73%** Less Energy\*

**ClearSense<sup>®</sup>**  
Patented intelligent monitoring system





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**50%** Faster Cycles\*



**73%** Less Energy\*

# Pulpmatic® Flex with ClearSense®

## Smarter and More Efficient

The **Pulpmatic® Flex** from **DDC** delivers intelligent performance and precise engineering for healthcare settings where hygiene and reliability are vital. It also helps reduce energy, water and operating costs.

## Innovative and Intelligent

**ClearSense® by DDC<sup>†</sup>**, an exclusive feature of the **Pulpmatic® Flex**, is a patented intelligent monitoring system. It detects when pulp is fully processed, allowing the machine to use the optimal amount of electricity and water to complete the cycle. This results in **measurable savings**, whilst protecting the drain network.

## Exceptional Efficiency

With sustainable performance, the **Pulpmatic® Flex** runs up to **50% faster** and uses **63% less water** and **73% less energy** than other macerators\*, helping healthcare providers save resources, reduce costs, and **meet Net Zero targets**.

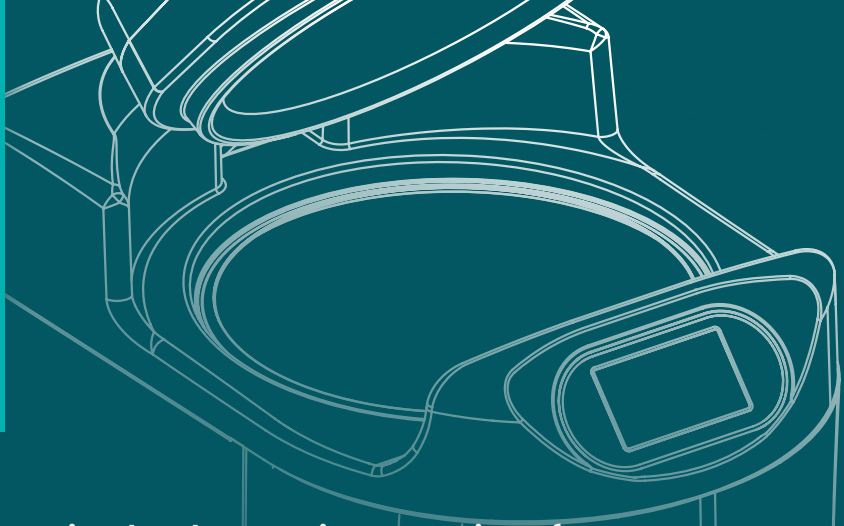
## Safer Healthcare

Built for infection control, the **Pulpmatic® Flex** features contactless operation, chemical disinfection system and antimicrobial surfaces proven to **reduce bacterial growth up to 99.99%** – providing **safer care for your staff and patients**.

\*Compared with current DDC models and other brands.

<sup>†</sup>ClearSense® is available on selected models.

# What is **Clear Sense®**



**ClearSense® technology** is the latest innovation from **DDC**, launched in the **Pulpmatic® Flex** macerator.

This intelligent system **optimises performance** by monitoring when the chamber is free of pulp, ensuring every cycle uses the optimum water and energy needed.

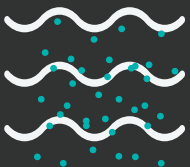
By combining **reliability** with efficiency, ClearSense® reduces operating costs and shortens cycle times leading to a cleaner, faster, and more **sustainable** maceration performance.



# 1

## **Load and Start**

The user loads the pulp product into the Flex chamber and the cycle starts automatically.



# 2

## **Pre Maceration Soak**

Water is injected in to the chamber, softening the pulp to prepare it for maceration.



# 3

## **Maceration**

High-speed blades break down the pulp which is gently discharged into the drainage system



# 4

## **Active Monitoring & Clear Detection**

When clear, the system senses and finishes automatically to save water, energy, and time.

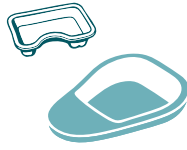


# 5

## **Drain & Ready**

Final rinse leaves the chamber and pipework clean and ready for next use.

# Pulpmatic® Flex Key Benefits



## High-Capacity Performance

Processes up to six items per cycle, keeping workflows fast and efficient in busy clinical areas.



## Advanced Blockage Prevention

Dual chambers stop non-maceratable items reaching the drain and help prevent costly disruptions.



## Seamless, Contactless Operation

Hands-free loading with automatic lid closure ensures safe, simple use while reducing the risk of misloading.



## Low Noise Output

Quiet operation supports calmer wards and more comfortable patient environments.



## Built-In Audio Guidance\*

Point-of-use instructions reinforce correct loading and operation, providing continual staff support.



## Smart Self-Diagnostics

Intelligent monitoring keeps performance optimised and helps prevent unexpected downtime.



## PAS29:1999 Certified Pulp Compatibility

Reliable maceration with full flexibility to choose your preferred certified pulp suppliers.



## Intuitive 5" Interface

Clear on-screen prompts and status updates make every cycle straightforward.

# Leading the way in blockage prevention and uptime.

The DDC Pulpmatic® Flex is engineered to minimise pulp residue within drainage pipes, ensuring consistent, efficient water usage. This helps maintain peak operational performance and lowers the risk of unexpected downtime.

Its advanced dual-chamber design ensures that only fully macerated particles with an average size of 3–5mm exit the system\*. By preventing larger debris and foreign objects from entering the drains, it significantly reduces blockage risks and protects pipework.

Its maceration cycle includes exclusive DDC innovations that prevent blockages and make any required maintenance quick and straightforward.

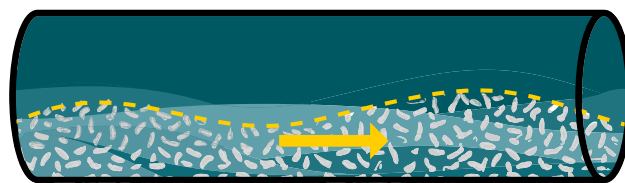


## Open Flow System

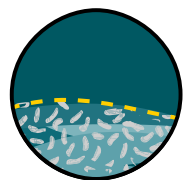
The Pulpmatic® Flex protects drainage systems while delivering consistent performance. Other brands of macerators can release wastewater in sudden bursts, which can strain pipework and increase the risk of blockages.

The Flex avoids this by using a continuous open-flow process. Wastewater moves steadily through the system rather than being forced out all at once. This gentler flow helps avoid blockages and supports a healthier drainage network.

### Pulpmatic® Flex

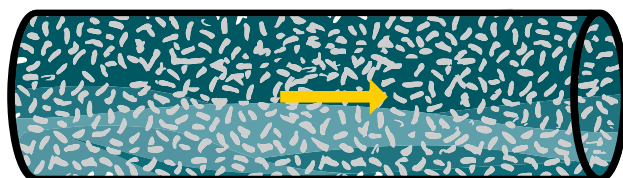


Continuous water flow from beginning until end of cycle

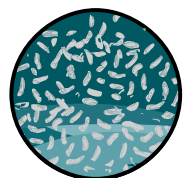


Waste pipe free flowing

### Other brands



Discharge at end of cycle



Waste pipe completely full

\*Results confirmed from inhouse testing.



# Technical Specifications

## General:

**Dimensions:** 450 × 605 x 1035 mm

**Weight:** 70 kg Dry<sup>†</sup>

**Capacity:** Up to 6\* pieces of medical pulp

**Operation Cycle Time:** From 55 seconds

**Recommended Chemical:** ECOCleanse Ultimate

**Chemical Dosing per Cycle:** From 4ml

**Decibel Rating:** <70dba

## Electrical:

**Power Consumption Per Cycle:** From 0.007 kWh

**Voltage:** 230V / 50 HZ

**Rated Power:** 0.8 kW

**Motor Power:** 0.75 kW

**Water Pump Power:** 0.21 kW

## Water:

**Water Consumption Per Cycle:** From 10 L

**Waste Height:** 195mm – 235mm

**Waste Connection:** 50mm ID (2")

**Water Pressure:** 1-6 Bar

**Water Tank Capacity:** 17 L

\*Size dependant (Specifications correct at time of print) †Empty water tank



## The DDC Difference

For more than 30 years, DDC has been redefining infection control through ground-breaking innovation, empowering clinical teams to reduce infection risk, elevate patient safety, and boost operational efficiency while championing environmental responsibility at every stage. The Pulpmatic® Flex is the latest expression of our commitment to delivering smarter, safer, and more sustainable healthcare.

## Sustainability in Action

Designed to meet modern environmental challenges, the Pulpmatic® Flex reduces energy and water consumption while removing the need for reusable cleaning cycles. Every operation is cleaner, faster, and more resource-efficient, demonstrating that innovation and sustainability can work together.

Scan to find out  
more about our  
macerators



**DDC**



Certificate Number 181  
9001/14001



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