

Quattro Vanguard and Excel: the range explained

QUATTRO VANGUARD

Vanguard carries forward all Quattro's key strengths so is the most reliable (*lowest lifetime cost*), ergonomic (*20% lower loading height*), smallest (*32% smaller footprint*) and fastest (*additional 10 cycles per hour*) macerator on the market.

Vanguard brings you unparalleled maceration and a reduced operating noise that you won't find on any other macerator.

Choose the best model for your needs:

Original or Enhanced (*featuring night mode plus automatic hands-free opening and closing*)

QUATTRO EXCEL:

All the features of Vanguard plus:

Failsafe hands-free open and close

Giving you the infection control benefits of hands-free operation without the machine breakdown worries.

Proven infection and drain control system

Additional functionality to help keep your drains freely flowing and kill bacteria as the system flushes.

Night mode as standard

A unique function that means the machine operates 6dB quieter than other macerators.

Choose your macerator

Product		Auto hands-free open and manual soft close	Auto hands-free open and close	Superfine maceration	Selectable wipe cycle	TECcare rinse protect cycle	TECcare wick system	Aero-jet drain flush	One-shot TECcare foam flush	Reduced operating noise	Night mode
Classic+		-	-	-	-	-	-	-	-	-	-
Quattro Vanguard	Original	✓	-	✓	✓	✓	-	-	-	✓	-
Quattro Vanguard	Enhanced	-	✓	✓	✓	✓	-	-	-	✓	✓
Quattro Excel		-	✓	✓	✓	✓	✓	✓	✓	✓	✓

TECHNICAL DATA

Maximum load: 4 bedpans or urine bottles, 2 washbowls
 Loading height: 784 mm
 Depth x width: 524 x 411 mm
 Overall height: 908 mm
 Footprint: 0.215 m²
 Dry weight: 59 kg
 Motor: 600 w

Electrical supply: All options available
 Cycle time: 82 seconds
 Energy use: 0.01 kWh per cycle
 Water use: 17 litres per cycle
 Drain: Height 190 - 220mm / Diameter 50mm
 Overflow: Height 604mm / Diameter 21.5mm
 Water pump: 125 w

We're so confident we provide a **free 3 year warranty** with every Quattro model.

Call us on **+44 (0)1989 760 235** or email international@haigh.co.uk for more information.

We'll be happy to help you.



Taking maceration to the next level

Introducing the new range of Quattro pulp bedpan macerators

Reliability is everything with a pulp macerator

Take blocked drains. If your drain is blocked, you won't be able to use your macerator. But your patients will still need to use bedpans.

To make sure your risk of blocked drains - and infection (see inside) - is as low as possible, we've developed the new range of Quattro Vanguard and

Excel models. Their outstanding features make them the most effective and reliable macerators on the market. They still dispose of up to four bedpans efficiently but now you can choose options to suit you with the reassurance that your macerator won't let you down - superior reliability comes as standard.

1 Superfine maceration

We've developed a high precision impeller with new swept blades that spin at 1500rpm. This means they produce the finest pulp confetti of any macerator, that will flow easily through your drains.

2 Controlled discharge

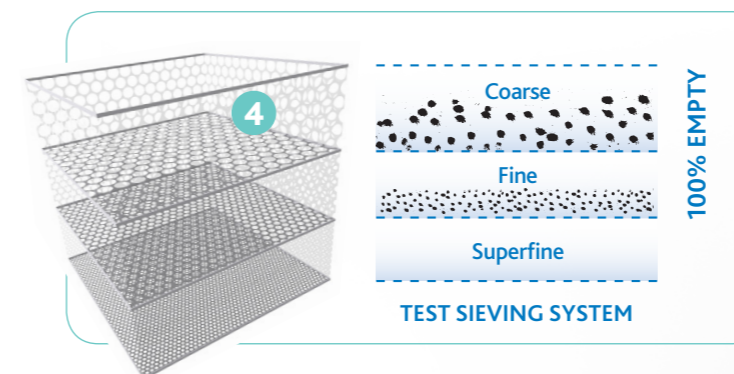
We've made the tolerance on our controlled discharge system even tighter. So now Quattro won't let anything larger than 5mm enter the drain.

3 Aero-jet powered Premium Flow

Our engineers have taken our unique patented Premium Flow action further with new aero-jet powered Premium Flow. This adds a jet of air to the discharged pulp, making it more buoyant and less dense so it flows more freely.

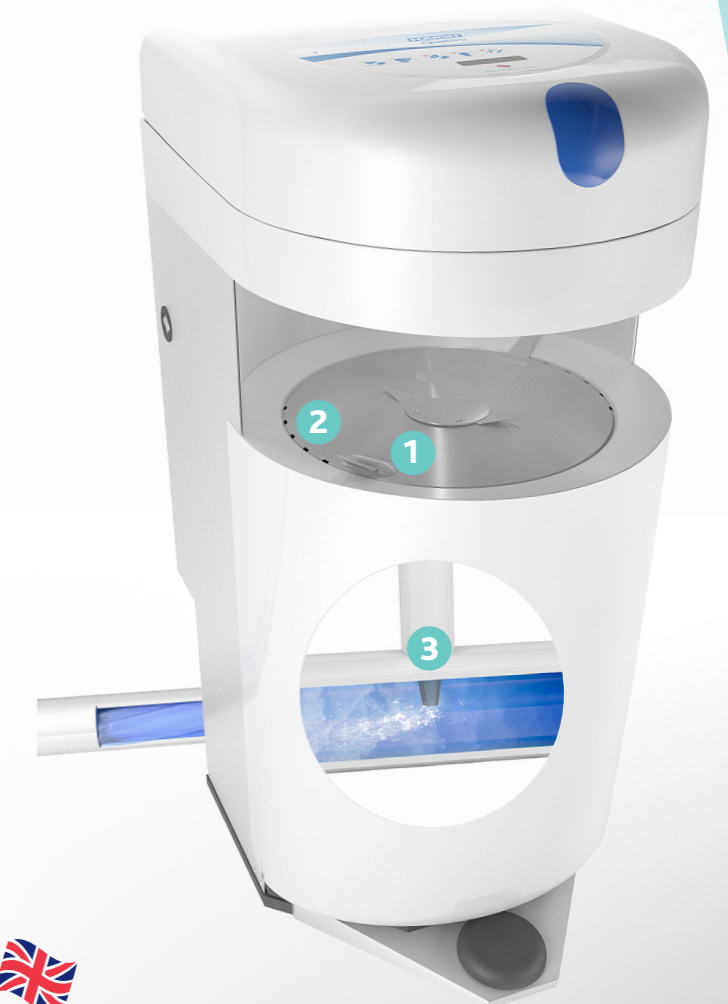
4 How we make sure Quattro protects your drains

The maceration testing standard was developed with bespoke equipment to accurately measure the pulp particle size.



Haigh: maceration experts for the NHS

When NHS Supply Chain formally tested the maceration properties of medical pulp on sale to the UK NHS, they used our engineers and test facilities to help them.



A new benchmark for macerator infection control

We've collaborated with antimicrobial technology experts TECcare to create a new benchmark in macerator infection control. Independent laboratory tests have confirmed Quattro used with TECcare CONTROL® gives you the most effective macerator infection control available on the market today.

1 Failsafe automatic open and close

Quattro gives you all the infection control benefits of hands-free operation with none of the breakdown worries. This is because we designed and built the lid mechanism to withstand the rigours of a busy ward.

So if there is an obstruction, the lid will sense it and open again. And if staff try to close the lid manually, the machine will also sense that and gently drop the lid.

2 Proven rinse protect cycle

At the end of every cycle Quattro injects a micro dose of TECcare CONTROL that kills all related HCAI pathogens and protects the machine for up to 24 hours. Haigh is the only company to have the effectiveness of its macerators' infection control confirmed by independent laboratory tests.

3 All-round protection

Our engineers have developed a unique wick system that carries TECcare's protection to all the internal areas of your macerator, not just the drum.

4 Aero-jet foam flush

Quattro's patented aero-jet powered Premium Flow cleans your drains as well as keeping them flowing freely. This is because the jet of air causes TECcare CONTROL to foam killing bacteria as it flows through the drainpipe.

5 One-shot foam flush

For an extra deep clean of the drainpipe, Quattro has a one-shot foam flush option. You can choose this whenever you want to send an extra dose of expanding dense foam of TECcare CONTROL through your drainpipe.

Noise reducing features:

6 Swept impeller blades

7 Anti-resonance pads

Leading the quiet revolution

Modern hospitals are busy, noisy places. However, a good sleep is an essential part of your patients' recovery so you need as much quiet as possible during the night. Quattro helps you achieve this as it's the **only** macerator with a **night mode** function. When it's on, this clever feature makes Quattro **twice as quiet** as any other macerator.

Quieter by design

A typical pulp macerator operates at 60-65dB. This is equivalent to normal conversation within three feet, so at night will not help your patients sleep well.

To cut Quattro's operating noise levels our design engineers have used several strategies, from the introduction of new swept impeller blades **6**, to anti-resonance pads **7** and improved water management.

All this is combined with an option to switch to **night mode** – an active mode tuned to run quieter.

Introducing night mode

All these changes mean Quattro is now the quietest macerator on the market – only 54dB in night mode.

A recent CQC report shows 40% of patients have concerns about noise levels in hospitals so you can actually help your nursing staff make sure their patients have a good night's sleep with Quattro.



Why we partnered with noise analysis experts

Since noise levels are critical to our customers, it's vital we understood and accurately measured them.

So our design engineers worked with noise analysis experts to help us understand where the noise came from and how it was transmitted.



In-house high performance noise testing

We then designed and built our own noise measurement booth so we could accurately measure each improvement we made.

All this perfectly demonstrates our commitment to you, and our determination to help you deliver the best possible service to those in your care.