



revolutionary dispensing solutions



QUANTURA

DISHWASH DOSING SYSTEMS



QUANTURA

BRIGHTWELL DISPENSERS' NEW RANGE OF DISHWASH DOSING SYSTEMS

Reliable and efficient chemical dosing systems ensure that commercial dishwashers maintain optimal performance. Based on years of industry experience, technical expertise and customer feedback, Brightwell Dispensers have developed a new innovative dishwash dosing range that can be used for a wide variety of commercial dishwashers including glass, under-the-counter, single-tank and conveyor dishwashers.

Quantura Dishwash Dosing Systems

- A leap forward in compact technology
- Contemporary, innovative, high-tech designs to meet the demands of today's commercial dishwashing environments
- Packed with premium features, flexible solutions and competitively priced to suit every budget
- High quality, reliable system design
- Easy installation and operation

Brightwell Dispensers has been a global designer and manufacturer of innovative soap, paper and chemical dispensers and dosing systems since 1947. As a leading exporter to over 85 countries across the globe, we work with a strong network of dedicated distributors who serve specific regions worldwide.



COMMERCIAL SOLUTIONS

We are dedicated to providing our customers with the best possible solution for their specific requirements. Our experienced team is happy to assist you with your business requirements.

**Please call us on: +44 (0) 1273 513566
or contact your local representative.**



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 Brightwell Dispensers Ltd

 **BRIGHTWELL**
revolutionary dispensing solutions

RANGE OVERVIEW

Brightwell Dispensers' new range of dishwash dosing systems provides precise and consistent dosing solutions for a wide variety of commercial dishwasher applications including glass, under-the-counter, single-tank and conveyor dishwashers.

The range incorporates:

- **Quantura 10/10+:** A competitively priced single dishwasher peristaltic pump for dosing one dishwasher chemical into glass or under-the-counter dishwashers
- **Quantura 200:** A two chemical peristaltic pump system for dosing dishwasher detergent and rinse aid
- **Quantura 300:** A three chemical peristaltic pump system for dosing dishwasher detergent, rinse aid and sanitiser
- **Quantura 200S:** A two chemical system with a solenoid valve for dosing powder detergent and a peristaltic pump for dosing rinse aid
- **Quantura 300S:** A three chemical dosing system with a solenoid valve for dosing powder detergent and peristaltic pumps for dosing rinse aid and sanitiser



RANGE OVERVIEW



EASY INSTALLATION

- Comprehensive online documentation
- Quick-start guide with every unit
- Pre-wired to speed up installation time
- Wall bracket mounting with integrated spirit level

MAINTENANCE

- Hygienic, easy-to-clean front cover
- Quick-access pump cover
- Front mounted pumps for easy changing of peristaltic tubes

ADVANCED TECHNOLOGY

- Micro-processor controlled dosing technology for consistent and accurate dosing
- Intuitive programming interface with a wide range of configuration options
- Water resistant, durable polypropylene enclosure
- IP55 rated
- Designed and tested for hard-working commercial environments

ATTRACTIVE MODERN DESIGN

- Professional, modern design
- Robust construction and no hard edges

ADDITIONAL FEATURES:

SPECIAL PULSING TECHNOLOGY

- Achieves super low flow rates for dishwash chemical injection

PROBE TECHNOLOGY

- Conductive, three pin probe
- Temperature compensated for increased accuracy
- Pin corrosion-reducing technology

WE ALSO OFFER:

CUSTOMER BRANDING

- We offer our customers the option to brand our products with their own company's name*

CHEMICAL COMPATIBILITY TESTING

- All Brightwell Dispensers' dishwash dosing systems undergo comprehensive chemical compatibility testing using the latest, typical dishwash chemicals
- For customers who would like to test specific chemicals we offer our free chemical testing to ensure that specific chemicals are compatible with the chosen dispenser*

* Minimum order quantities apply

QUANTURA 10/10+

The Quantura 10 is Brightwell Dispensers' new, competitively priced, single peristaltic pump system. Intended for dosing one dishwash chemical into glass or under-the-counter dishwashers. The unit can be used for detergent or rinse aid.

Easy installation and configuration together with reliable tube fittings, make this system the ideal dosing solution.

FOUR DISTINCT OPERATING VARIANTS ARE AVAILABLE:

- Timed – Configurable initial & top-up charge durations
- Speed – Configurable pump speed & cycle time
- Probe (conductivity) – Continuous measurement of the chemical concentration and automatic top-up of chemical when needed
- Remote Dose – Manually operated, remote top-up button



SPECIFICATIONS: QUANTURA 10, QUANTURA 10+

Power	100 – 240VAC, 50/60Hz, Class II	
Flow Rates*	Q10 Detergent flow rate: 10ml/min to 100ml/min Q10 Rinse aid flow rate: 5ml/min to 50ml/min	Q10+ Detergent flow rate: 15ml/min to 150ml/min Q10+ Rinse aid flow rate: 7ml/min to 70ml/min
Operating Pressures	Detergent: 1 bar Rinse Aid: Up to 1.5 bar	
Operating Modes	Quantura 10: Time Mode, Speed Mode Quantura 10+: Time Mode, Speed Mode, Probe Mode, Remote Dose	
Probe	Conductive probe available for Quantura 10+	
Control Circuitry	Microchip Microprocessor	
Squeeze Tube Fittings	Standard: Compression fittings; alternative fittings are available on request (minimum order quantities apply)	
Motor	24VDC	
Product Standards	CE approved	
Dimensions & Weight	Height: 95 mm; Width: 89mm; Depth: 100mm; Weight: 0.5 kg	
IP Rating	IP55	
Warranty	1 year	

* Flow rates are subject to environmental conditions



QUANTURA 10

Two operating modes

- Operating Modes:
Time & Speed
- Single chemical peristaltic pump
- Intended for pumping of detergent or rinse aid



QUANTURA 10+

Four operating modes

- Operating Modes:
Time, Speed, Probe and Remote Dose
- Single chemical peristaltic pump
- Intended for pumping of detergent or rinse aid

KEY FEATURES

DESIGN

- Professional, modern design
- Compact size

TECHNOLOGY

- Water resistant, durable polypropylene enclosure
- High performance polymers offering durability, impact resistance and safety
- Optional conductive probe attachment

PROGRAMMING

- Intuitive and easy-to-use interface
- Quick configuration and set-up

INSTALLATION & MAINTENANCE

- Every pump is pre-wired to reduce installation time
- Wall bracket mounting with integrated spirit level
- Easy clean, hygienic, robust front cover

INSTALLATION COMPONENTS



Suction/delivery tubing



Detergent injector



Rinse aid injector & adaptor
(with integral non-return valve)



Peristaltic tubing



Weight and filter



Fixings pack

ACCESSORIES



Conductive probe



Remote Dose

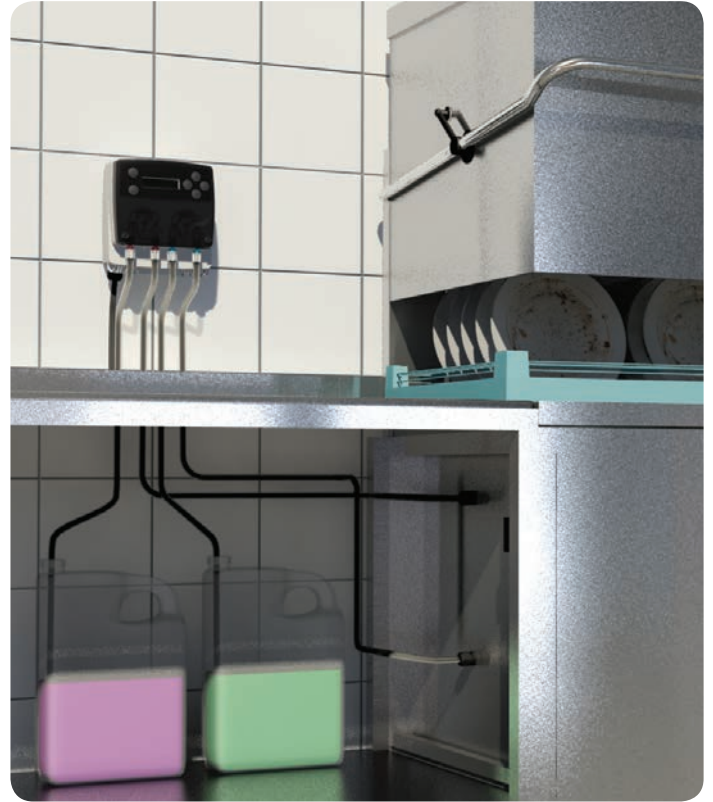
QUANTURA 200/300

The Quantura 200 is Brightwell Dispensers' new peristaltic pump dosing system for dosing dishwasher detergent and rinse aid into a wide variety of commercial dishwashers including conveyor, hood and door type dishwashing machines.

This system also provides the option to incorporate an additional, third peristaltic pump for dosing sanitiser.

QUANTURA 200:

- Easy installation and set-up
- One system for Probe Mode, Probeless Conveyor Mode, Probeless Hood/Door Mode
- High-quality brushless DC motors
- Pump status lights and on/off indication light
- Super low flow rates
- Full text LCD in nine different languages
- Secure Access Code Option



SPECIFICATIONS: QUANTURA 200, QUANTURA 200S, QUANTURA 300, QUANTURA 300S

Power	100 – 240VAC, 50/60Hz, Class II, Maximum power consumption: 42W
Flow Rates*	Detergent flow rate: 30ml/min to 170ml/min (BrightChem tube) Rinse aid flow rate: 3ml/min to 30ml/min (BrightChem tube) Sanitiser flow rate: 6ml/min to 80ml/min (BrightChem tube) Only applicable for Quantura 300/300S
Operating Pressures	Detergent: 1 bar Rinse Aid: Up to 3 bar Sanitiser: Up to 3 bar
Trigger Signals	24V to 240V (AC or DC), opto-isolated
Operating Modes	Probe Mode, Probeless Conveyor Mode, Probeless Hood/Door Mode
Probe	Temperature compensated conductive probe
Control Circuitry	ST Micro ARM Cortex-M3 CPU microprocessor controlled Security access codes
Squeeze Tube Fittings	Standard: Compression fittings; Alternative fittings are available on request (minimum order quantities apply)
Motor	Brushless 24VDC
Solenoid valve	24VDC (Applicable for Quantura 200S/300S)
Product Standards	CE marked, Low Voltage Directive (LVD) 2014/35/EU EMC Directive 2014/30/EU Machinery Directive 2006/42/EC
Dimensions & Weight	Quantura 200/200S: Height 210mm; Width 183mm; Depth 115mm; Weight 2kg Quantura 300/300S: Height 210mm; Width 275mm; Depth 115mm; Weight 3kg
Warranty	2 years
IP Rating	IP55
Buzzer	24VDC max. 500mA (10W)
Multilingual Interface	Czech, Dutch, English, French, German, Italian, Polish, Spanish, Portuguese

* Flow rates are subject to environmental conditions



QUANTURA 200
Two chemicals system

- Dose two products into a wide range of commercial dishwashers
- Two peristaltic pump system
- Wide range of flow rates
- Operating Modes: Probe Mode, Probeless Conveyor Mode, Probeless Hood/Door Mode



QUANTURA 300
Three chemicals system*

- A three chemical peristaltic pump system, consisting of Quantura 200 and an additional, third peristaltic pump for dosing sanitiser
- Modern styling and high quality robust components

* Third pump only works in conjunction with Quantura 200

KEY FEATURES

DESIGN

- Professional, modern design
- Modular design allows an easy conversion from a two to a three pump system

TECHNOLOGY

- High-efficiency brushless DC motors
- Special Pulsing Technology to achieve super low flow rates
- One single quick release cover to provide access to pump heads
- Water resistant, durable polypropylene enclosure
- High performance polymers offering durability, impact resistance and safety
- Optional conductive probe attachment

PROGRAMMING

- Easy-to-use, intuitive programming
- Micro-processor controlled dosing
- Pump status lights to show operational states such as pump running and maintenance requirements
- Easy-to-read, full text, modern LCD
- Access codes for security
- De-lime capability

INSTALLATION & MAINTENANCE

- Easy-to-clean, hygienic, robust front cover with water-tight, durable rubber buttons
- Pre-wired to speed up installation time
- Wall bracket mounting with integrated spirit level
- Detailed manual and drilling template

INSTALLATION COMPONENTS



Suction/delivery tubing



Detergent injector



Rinse aid injector & adaptor
(with integral non-return valve)



Peristaltic tubing



Tube stiffener



Fixings pack

ACCESSORIES



Conductive probe



Buzzer

QUANTURA 200S/300S

DISHWASH DOSING SYSTEM FOR
SOLID POWDER FED SYSTEMS

Providing the same features and specification as our Quantura 200 System, the Quantura 200S dosing system is for customers who use a solid powder fed system. Quantura 200S is suitable for dosing two products into a wide range of commercial dishwashers including conveyor, hood and door type dishwashing machines.

In place of the peristaltic detergent pump, the Quantura 200S has an electrically operated solenoid valve that works in conjunction with a powder bowl system. The integrated second peristaltic pump ensures the accurate and consistent dosing of rinse aid.

QUANTURA 200S:

- Easy installation and set-up
- One system for Probe Mode, Probeless Conveyor Mode, Probeless Hood/Door Mode
- High-quality brushless DC motors
- Pump status lights and on/off indication light
- Super low flow rates
- Full text LCD in nine different languages
- Secure Access Code Option



QUANTURA 300S:

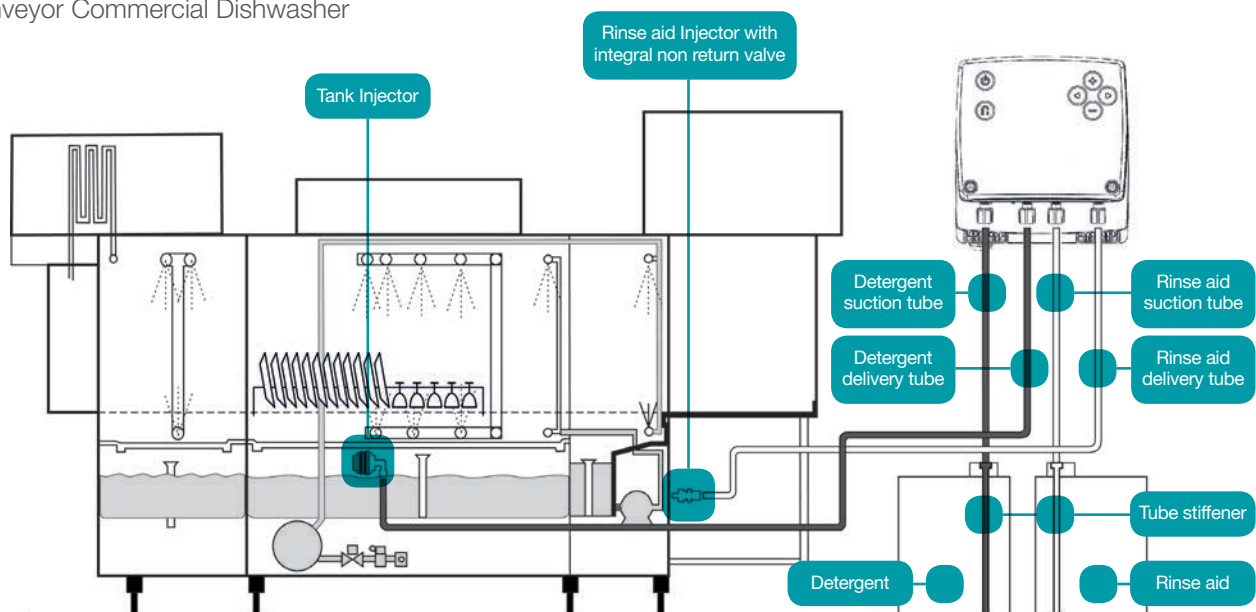
A three chemical peristaltic pump system, consisting of Quantura 200S and an additional third peristaltic pump for dosing sanitiser

SPECIFICATION FOR QUANTURA 200S AND QUANTURA 300S:

Please refer to the table on page 8

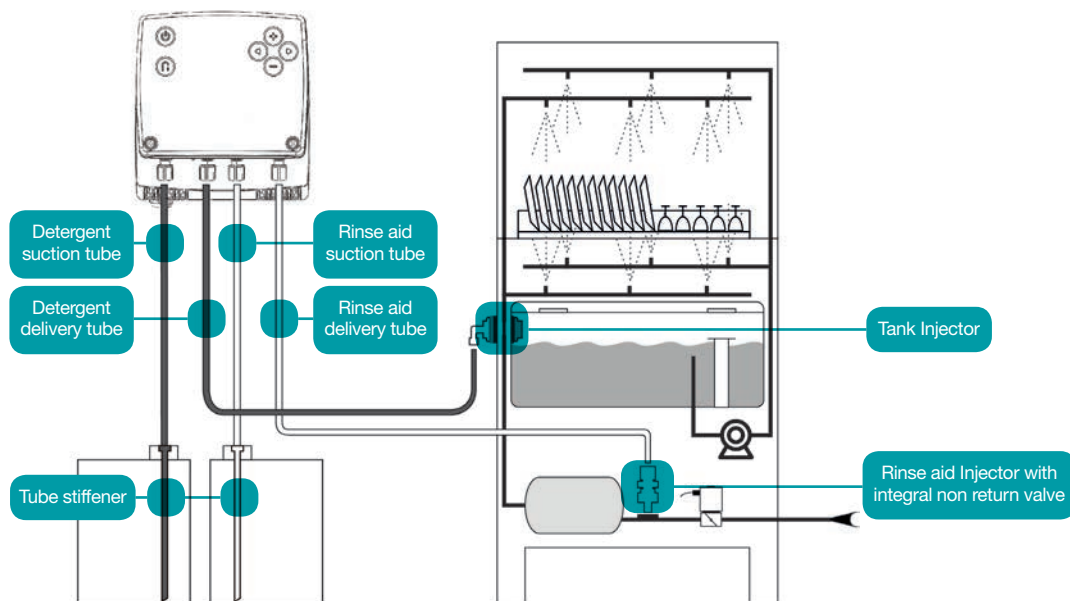
COMMERCIAL DISHWASHER APPLICATIONS EXAMPLE 1

Conveyor Commercial Dishwasher



COMMERCIAL DISHWASHER APPLICATIONS EXAMPLE 2

Hood/Door Commercial Dishwasher



ACCESSORIES



CONDUCTIVE PROBE

Monitor and control the detergent level in the dishwasher with Brightwell Dispensers' new temperature compensated conductive probe. The conductive probe consists of electrodes which are in direct contact with the detergent solution. The conductivity measured between the electrodes is directly proportional to the detergent concentration of the solution, allowing automatic control of accurate detergent dosing.



PERISTALTIC TUBES

Peristaltic pump tubes are critical to the performance of a dosing system. Using their extensive, on-site experience, Brightwell Dispensers has worked closely with customers to provide the best solution.

BrightChem Tube: Brightwell Dispensers' proprietary co-extruded double strength tube is super resistant. The special inner lining ensures that the tube stays robust throughout its life-cycle.

Silicone Tube: A robust tube that provides the highest flow rates and is compatible with most standard detergents.



CONNECTORS

We also offer a selection of tube connectors to suit a wide range of installations.

- Compression fit connectors (as standard)
- Barbed fit connectors
- Quick connectors

DISHWASH DOSING SYSTEMS

QUANTURA RANGE OVERVIEW

Quantura Range	Number of chemicals	Flow rates ml/min			Power	Modes	Signals	IP Rating
		Detergent	Rinse Aid	Sanitiser				
Quantura 10	1	10 – 100	5 – 50	n/a	100 – 240VAC, 50/60Hz, Class II	Time Mode and Speed Mode	Initialises on power-up	IP55
Quantura 10+	1	15 – 150	7 – 70	n/a		Time Mode, Speed Mode, Probe Mode, Remote Dose		
Quantura 200	2	30 – 170	3 – 30	n/a	100 – 240VAC, 50/60Hz, Class II	Probe Mode, Probeless Conveyor Mode, Probeless Hood/Door Mode	24V to 240V (AC or DC), opto-isolated	IP55
Quantura 200S	2	n/a	3 – 30	n/a				
Quantura 300	3	30 – 170	3 – 30	6 – 80				
Quantura 300S	3	n/a	3 – 30	6 – 80				

PRODUCT STANDARDS

Independently third party tested and verified. Products are designed and manufactured in line with CE European and CSA standards. (Pending)

All information stated in this brochure is correct at time of printing and subject to change without notice.



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