



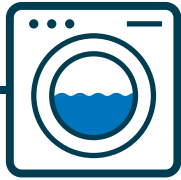
LAUNDRY DOSING SYSTEMS

Brightwell Dispensers' BrightLogic laundry dosing systems are designed for hard-working commercial environments and are reliable, easy-to-use and resilient. Our dispensers work with tunnel machines, card-reader and PLC-controlled machines, small washer extractors and large intelligent and non-intelligent machines that take loads between 5kg and 100kg.

Our laundry systems are renowned for their quality and durability. Although our high-end range incorporates some of the most sophisticated programming methods in the industry, other models utilise more basic features - it's all down to your needs.

Discover our collection of Laundry pumps.





THE PRODUCT RANGE



PAGE 50: ON-PREMISE LAUNDRY DOSING SYSTEM



PAGE 52: HIGH-FLOW LAUNDRY DOSING SYSTEM



PAGE 54: MEMBRANE PUMP



PAGE 56: Q10+ REMOTE DOSE



PAGE 57: CHEMICAL ALARM



PAGE 58: MANIFOLD

TECHNOLOGIES

Brightwell Dispensers' advanced and unique laundry dosing systems are created for hard working environments.



HIGH-TECH PCB BOARDS

Our high-tech PCB boards are designed and manufactured in-house using the highest grade components and latest technology.

- Resettable fuse
- Opto isolated signal inputs
- Power Supply 100V-240V
- Signal 12-240V AC/DC
- One board for all unit types
- Protected output transistor
- RS485 Communication



ADVANCED MECHANICAL DESIGN

Advanced mechanical design together with quality, reliable components maximise tube life and accuracy.

- Brushless motor for longer life
- Space-saving double pumphead configuration
- Support bearing ensures accurate flow



EASY TUBE REPLACEMENT

No need for tools, the pump configuration allows the tube to be replaced with just a couple of clicks.

- No tools required
- Quick and easy
- Minimal cost
- Safety release clamp technology



RANGE OF TUBE TYPES TO SUIT ANY CHEMICAL

We provide a variety of tubes to suit any chemical type.

- Super-resistant co-extruded tube
- Quick and easy connections
- Selection of tubes to suit different chemicals



COMPUTER SOFTWARE & USB

Programming or retrieving data from the BrightLogic laundry systems is easy when using our computer software. Create up to 20 programmes, control the dosage and receive reports in minutes. With the software, you have total control of your BrightLogic unit with connection to your laptop (Microsoft OS only). The software is available as a free download from our website: www.brightwell.co.uk



ON-PREMISE LAUNDRY DOSING SYSTEM

The BrightLogic on-premise laundry dosing systems (OPL) allow you to dose from 1 to 10 chemicals with a flow rate of up to 285ml* per minute. The space-saving patented double pump head is easy to install and maintain thanks to the quick-tube-change configuration. Suitable for both intelligent and non-intelligent washing machines up to 35kg, they can be used in relay mode or with a formula select programmer.

The laundry dosing systems are available in 2, 4, 6, 8 and 10 pump versions, however you can easily upgrade to a unit with a plug-and-play pump module.

*Flow rate tested with water using Brightchem tube, under laboratory conditions

WL2



WL4



WL6



HARDWARE FEATURES

- Advanced PCB hardware
- Brushless motors
- 16 x 4 character illuminated screen
- Wireless USB communications
- Configure any combination 1-10 pumps
- Easy add-on pump configuration
- Full speed control on all pumps
- Full range of accessories to suit your installation
- Formula select module available for easy access to programme selection
- Independently CE and UL approved

SOFTWARE FEATURES

- Programme formula select with wash cycle names
- Prime and stop pumps from the formula select
- Bespoke access codes and screen text
- Twenty programmes as standard
- Chemical usage report including selectable date and time range feature
- Engineer's test screen to view signal inputs
- Auto formula select setting
- Multilingual programming
- Free programming software
- Relay mode setting
- Branding options available

FORMULA SELECT



TECHNICAL SPECIFICATIONS

	2 PUMP BRIGHTLOGIC	4-10 PUMP BRIGHTLOGIC
VOLTAGE / FREQUENCY	100-240V AC 50-60Hz	100-240V AC 50-60Hz
CURRENT	L2: 0.4A (100V) - 0.14A (240V)	L4: 0.46A (100V) - 0.16A (240V) L6: 0.8A (100V) - 0.27A (240V) L8: 1.14A (100V) - 0.38mA (240V) L10: 1.48A (100V) - 0.50A (240V)
POWER	L2: 36W	L4: 41W L6: 71W L8: 102W L10: 133W
SIGNAL SUPPLY	12-240V AC or DC	12-240V AC or DC
OUTPUTS	Flush Valve 24V DC, 1.25A (10W) max Buzzer/Lamp 24V DC 500Ma, (10W) max	Flush Valve 24V DC, 1.25A (10W) max Buzzer/Lamp 24V DC 500Ma, (10W) max
FLOWRATE	6mm BrightChem max (100%) 285ml per/min (Using water) 6mm BrightChem min (30%) 70ml per/min (Using water)	6mm BrightChem max (100%) 285ml per/min (Using water) 6mm BrightChem min (30%) 70ml per/min (Using water)
TUBE OPTIONS	Grey-Silicone Brightchem	Grey-Silicone Brightchem
CONTROL CIRCUITRY	16 x 4 illuminated LCD display, Programming via 9 external keypad keys, Security access code	16 x 4 illuminated LCD display, Programming via 9 external keypad keys, Security access code
MOTOR	Brushless 24V DC, 600mA	Brushless 24V DC, 600mA
ENCLOSURE	Glass-Filled Polypropylene IP45	Glass-Filled Polypropylene IP45
INSTALLATION KIT	Available on request	Available on request
APPROVALS	EMC89/336/EEC EN61000-6-4:2007 LVD72/23/EEC EN60335-1:2002+A2:2006	EMC89/336/EEC EN61000-6-4:2007 LVD72/23/EEC EN60335-1:2002+A2:2006
DIMENSIONS (MM) (H X W X D)	L2 - 285 x 190 x 166	L4 - 266 x 285 x 166 L6 - 266 x 425 x 166 L8 - 266 x 565 x 166 L10 - 266 x 705 x 166
WEIGHT	L2 - 2kg	L4 - 3.55kg L6 - 5.20kg L8 - 6.31kg L10 - 7kg



COMMERCIAL LAUNDRY HIGH-FLOW LAUNDRY DOSING SYSTEM

The BrightLogic high-flow laundry dosing systems for industrial laundries can dose from 1 to 10 chemicals with a flow rate of up to 870ml* per minute.

The high-flow pumps can be mixed with on-premise laundry dosing pumps to suit various dosing needs. They are compatible with both intelligent and non-intelligent machines up to 100kg** and can be used in relay mode or with a formula select programmer.

*Flow rate tested with water using BrightChem tube under laboratory conditions.

** Depending on ml/kg.

WH3



WH5



10 PUMP CONTROLLER

If you need a higher flow rate than 1000ml per minute, the 10 pump controller features all the same software and features of the BrightLogic system. It allows you to connect any OEM pump with a 24V, 110V, 230V power supply

HARDWARE FEATURES

- Advanced PCB hardware
- Brushless motors
- 16 x 4 character illuminated screen
- Wireless USB comms
- Configure any combination 1-10 pumps
- Easy add-on pump configuration
- Full speed control on all pumps
- Full range of accessories to suit your installation
- Formula select module available for easy access to programme selection
- Independently CE and UL approved

SOFTWARE FEATURES

- Programme formula select with wash cycle names
- Prime and stop pumps from the formula select
- Bespoke access codes and screen text
- Twenty programmes as standard
- Chemical usage report including selectable date and time range feature
- Engineers test screen to view signal inputs
- Auto formula select setting
- Multilingual programming
- Free programming software
- Relay mode setting
- Branding options available

FORMULA SELECT



TECHNICAL SPECIFICATIONS

VOLTAGE / FREQUENCY	100-240V AC
CURRENT	H2: 0.8A (100V) - 0.28A (240V) H4: 1.6A (100V) - 0.55A (240V) H6 : 2.4A (100V) - 0.85A (240V) H8 : 3.2A (100V) - 1.08A (240V) H10: 4A (100V) - 1.36A (240V)
POWER	H2: 72W H4: 144W H6: 216W H8: 288W H10: 360W
SIGNAL SUPPLY	12-240V AC or DC
OUTPUTS	Flush Valve 24V DC, 1.25A (10W) max Buzzer/Lamp 24V DC 500Ma, (10W) max
FLOWRATE	10mm BrightChem max (100%) 870ml per/min (Using water) 10mm BrightChem min (30%) 285ml per/min (Using water)
TUBE OPTIONS	BrightChem Grey-Silicone EPDM
CONTROL CIRCUITRY	16 x 4 illuminated LCD display, Programming via 9 external keypad keys, Security access code
MOTOR	Brushless 24V DC, 600mA
ENCLOSURE	Glass-Filled Polypropylene IP45
INSTALLATION KIT	Available on request
APPROVALS	EMC89/336/EEC EN61000-6-4:2007 LVD72/23/EEC EN60335-1:2002+A2:2006
DIMENSIONS (MM) (H X W X D)	H2 - 285 x 370 x 135 H4 - 285 x 730 x 135 H6 - 285 x 1090 x 135 H8 - 285 x 1450 x 135 H10 - 285 x 1810 x 135
WEIGHT	H2 - 3.4kg H4 - 5.6kg H6 - 7.8kg H8 - 10kg H10 - 12.2kg



COMMERCIAL LAUNDRY MEMBRANE PUMP

The BrightLogic membrane pump is a laundry dosing system, which has been designed to deliver excellent flowrate consistency, even with highly viscous products.

The membrane pump is self-priming and requires limited maintenance as no peristaltic pump changes are needed, resulting in cost-savings.



HARDWARE FEATURES

- Advanced PCB hardware
- Brushless motors
- 16 x 4 character illuminated screen
- Wireless USB comms
- Configure any combination 1-10 pumps
- Easy add-on pump configuration
- Full speed control on all pumps
- Full range of accessories to suit your installation
- Formula select module available for easy access to programme selection
- Independently CE and UL approved

SOFTWARE FEATURES

- Programme formula select with wash cycle names
- Prime and stop pumps from the formula select
- Bespoke access codes and screen text
- Twenty programmes as standard
- Chemical usage report including selectable date and time range feature
- Engineers test screen to view signal inputs
- Auto formula select setting
- Multilingual programming
- Free programming software
- Relay mode setting

	MAX FLOW RATE	MATERIALS	CONNECTIONS	COMPATIBILITY	IP RATING
MEMBRANE PUMP	1.5 L/min (water) 1.0 L/min (viscous product)	Valve: Viton Extreme Viton EPDM	BSP or NPT 3/6" female thread allows for 3rd party hoseetails or quick-couplings	BrightLogic Laundry range	IP44

TECHNICAL SPECIFICATIONS

VOLTAGE / FREQUENCY	100-240V AC / 50-60Hz
CURRENT @ 265V	H2: 0.32A H4: 0.64A H6 : 0.98A H8 : 1.13A H10: 1.62A
POWER	H2: 72W H4: 144W H6: 216W H8: 288W H10: 360W
SIGNAL SUPPLY	12-240V AC or DC
OUTPUTS	Flush Valve 24V DC, 1.25A (10W) max Buzzer/Lamp 24V DC 500Ma, (10W) max
FLOWRATE	max (100%) 1500ml per/min (Using water) min (30%) 570ml per/min (Using water)
CONTROL CIRCUITRY	16 x 4 illuminated LCD display, Programming via 9 external keypad keys, Security access code
MOTOR	Brushless 24V DC, 600mA
ENCLOSURE	Glass-Filled Polypropylene IP45
INSTALLATION KIT	Available on request
APPROVALS	EMC89/336/EEC EN61000-6-4:2007 LVD72/23/EEC EN60335-1:2002+A2:2006
DIMENSIONS (MM) (H X W X D)	H2 - 285 x 370 x 190 H4 - 285 x 730 x 190 H6 - 285 x 1090 x 190 H8 - 285 x 1450 x 190 H10 - 285 x 1810 x 190
WEIGHT	H2 - 3.4kg H4 - 5.6kg H6 - 7.8kg H8 - 10kg H10 - 12.2kg

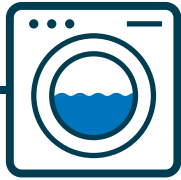


WHAT IS A MEMBRANE PUMP?

A membrane pump, also known as a diaphragm pump, uses the movement of a membrane and two valves to pump chemical. Asymmetric umbrella check valves allow directional flow through the pump.

Due to their design, membrane pumps generally display good suction characteristics and can handle relatively viscous chemicals. With a 70mm effective diameter and 5mm stroke length, Brightwell Dispensers' membrane can pump up to 1.5L/min.*

*Tested in laboratory with water. Further tests show a flow rate of 1000ml/min with a viscous product (viscosity 250cps).



Q10+ REMOTE DOSE LAUNDRY PUMP

Quantura Q10+ Remote Dose is Brightwell Dispensers' single peristaltic pump system for dosing one chemical to top load laundry units. Easy installation and configuration with reliable tube fittings make this system the ideal dosing solution.



KEY FEATURES

- Full load and half load button activation
- LED's to indicate pump status: green - full load wash, yellow - half load wash, blue - in prime mode, red - unit is locked
- Adjustable lock out time (2-60 minutes), red LED light illuminates when locked out to prevent overdosing
- Adjustable full load run time (1-180 seconds)
- Adjustable pump delay time (0-20 minutes), LED light flashes to indicate that it is in delay mode
- Optional prime feature
- The Q10+ can be used for dishwash dosing, when the remote is removed, allowing timed, speed and probe mode option
- Easy fit, plug and play handset with 5m cord
- Relay mode operation when the handset is not connected
- Every pump is pre-wired to reduce installation time



TECHNICAL SPECIFICATIONS

POWER	100-240 VAC, 50/60 Hz
CONTROL CIRCUITY	Microchip microprocessor
MOTOR	24 VDC
FITTINGS	1/4" compression fittings with 1/4" barbed adaptor
APPLICATION	A variety of laundry machines, e.g. top load machines
DIMENSIONS AND WEIGHT	Height: 95mm, Width: 89mm, Depth: 101mm, Weight 1kg
IP RATING	IP55

LAUNDRY ANCILLARIES



SUCTION LANCES

Our suction lance allows you to distribute up to three dosing units from one chemical drum. When connected to the BrightLogic alarm system it will sound a buzzer when the chemical reaches a critically low level.

KEY FEATURES:

- Available for 10L, 25L, 60L, 200L drums
- Three tubes feed up to three different dosing systems
- An adjustable cap slides up and down the wand allowing you to set the required height for your chemical container
- A float switch assembly calculates precise measurement of your chemical levels

TECHNICAL SPECIFICATIONS

OPTIONS	375mm for 10 litre drum (2 supply tubes)
	450mm for 20 litre and 25 litre drum (3 supply tubes)
	750mm for 60 litre drum (3 supply tubes)
	1100mm for 200 litre drum (3 supply tubes)
ENCLOSURE	Polypropylene casing PVC tube (8 x 14mm reinforced)
DIMENSIONS (MM)	Length: 375mm (neck diameter: 38mm)
	Length: 450mm (neck diameter: 45mm)
	Length: 750mm (neck diameter: 45mm)
	Length: 1100mm (neck diameter: 45mm)
ACCESSORIES	6mm x 8mm tube connectors 8mm x 8mm tube connectors 10mm x 8mm tube connectors



LOW LEVEL CHEMICAL ALARM

Connected to a dosing unit, or with its own power supply the BrightLogic low level alarm will monitor the level of up to 10 chemicals. It will trigger a buzzer and a flashing light to alert the laundry staff if a chemical is about to run out.

An external alarm module with a 90db level from 30cm can be connected to the alarm module for use in extremely noisy environments.

TECHNICAL SPECIFICATIONS

VOLTAGE / FREQUENCY	100-240V AC
CURRENT	0.11A (@240V)
POWER	30W
OUTPUTS	External Alarm Output 0V - 230V
OPTIONS	BrightLogic add on version External alarm & buzzer
ENCLOSURE	Glass-Filled Polypropylene IP44
APPROVALS	EMC89/336/EEC N61000-6-3:2007 EN61000-6-2:2007 LVD72/23/EEC EN60335-1
DIMENSIONS (MM)	(H) 180 x (W) 135 x (D) 88
WEIGHT	0.5kg



LAUNDRY MANIFOLD

The flush manifold uses water pressure to pump your laundry chemicals over a long distance.



KEY FEATURES

- Modular design allows for easy upgrades
- Easy installation and maintenance
- Ability to mix low and highflow pumps
- Inlet connectors are made from PVDF, one of the most resilient chemical materials on the market
- Compact packaging which allows more units per carton, reducing logistical costs



OUR SERVICES

We have a range of services to support you, your business and your requirements.

DEDICATED ACCOUNT MANAGER

Your account manager is your dedicated point of contact and on-hand whenever you need.

BRANDING

We offer our customers the option to brand our products with their logo. This option applies to most of our products. We also offer own-labelling, with designs to suit your stock and product requirements.

CHEMICAL COMPATIBILITY

All Brightwell Dispensers products undergo comprehensive chemical compatibility testing. For customers who would like to test specific chemicals, we offer free chemical testing to ensure that they are compatible with the chosen dispenser. (Minimum order quantities apply.)

TECHNICAL PRODUCT TRAINING

Our training sessions cover everything from on-site training support, selling and maintaining the systems, to in-depth guidance on installation and programming.

QUALITY

Quality is our ethos. We are ISO9001 certified which means our products are manufactured under strict quality standards to ensure the product meets the expectations of our customers.

DESIGN AND DEVELOPMENT

Our design team focusses on quality, innovation and sustainability in our designs so we can provide our customers the most efficient and versatile products.

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

BRIGHTWELL

REVOLUTIONARY DISPENSING SOLUTIONS

BRIGHTWELL DISPENSERS LTD

Unit 1, Rich Industrial Estate, Avis Way, Newhaven, East Sussex, BN9 0DU, UK

T +44 (0)1273 513 566 F +44 (0)1273 516 134 E sales@brightwell.co.uk W brightwell.co.uk

Brightwell Dispensers Ltd is a Bright-Tech Investments Ltd Company

Version 1.2
March 2018