



Washroom Design Solutions

Second Edition



Washrooms worth experiencing

Bell-Chem is a reliable and resourceful company built upon a foundation of integrity, honesty, enthusiasm and a caring attitude.

Note: In-situ photographs do not always represent the product description on the page

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Dolphin Dispensers

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Washroom Design Solutions

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Dolphin Modular System

1. Consumer Panel

Each modular system is fitted with an electronic consumer panel (including RCD breakers), only requiring a 32 amp mains feed to the unit.



2. Circulating Hot Water Loop

The circulating hot water loop means the hot water is piped from one tap to the next continuing around in a loop back to the same location, ensuring instant hot water. This is excellent water saving, as it saves time to get warm water to the point of the hand washing.



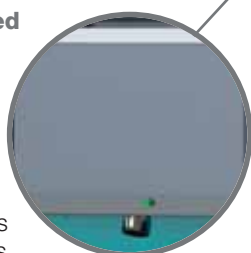
3. Infrared Sensor Taps

Hygienic, easy to use and water efficient, saving one of our key resources in the world. These taps promote a 65% water saving.



4. High Speed Hand Dryer

1.0kw high speed hand dryer, drying hands in 13 seconds. This dryer uses up to 70% less energy than conventional hand dryers, saving money for your clients.

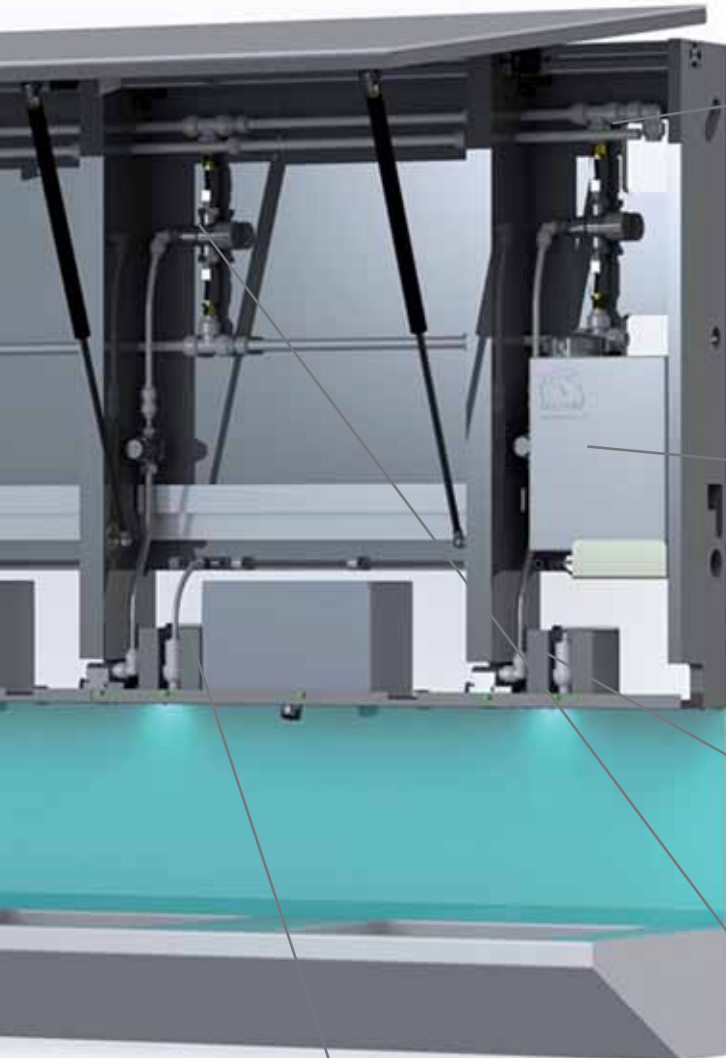


Dolphin Behind Mirror Module is the all NEW solution to an old problem.

This modular system has been developed for all types of users – from architects to janitors. When designing a washroom, much time is spent designing the hand washing area. Dolphin have solved that problem – the Dolphin Behind Mirror Module.

This modular unit incorporates all the facilities needed to wash, soap and dry your hands standing in the same position, including the latest technology for infrared sensor taps, high speed low energy hand dryers and infra-red foam soap system. The 'plug and play' design of the module minimises the time spend designing, constructing and servicing this area, with the only requirements being a solid wall, brick or plywood, hot and cold water supply feeds and a 32amp electrical supply. This modular system saves time, water, energy, soap, space and money

Dolphin Modular System



6. Hot and Cold Water Supply Inlet

The module only requires a hot and cold water inlet. The connection fitting to the module will require a 15mm pipe for each hot and cold water inlets.

7. Foam Soap Tank

Seven litre soap tank allowing 17,500 hand washes. The soap tank is fitted with electrodes which measure the level of the soap. When the soap level drops to 2 litres of soap left, a 'soap low' light message shows on the top left-hand side of the mirrors.

8. LED Lighting

Long life, energy efficient, ecologically friendly, durable quality, design flexibility, operational in extremely hot or cold temperatures, very good light dispersment and low voltage. The LED lighting colour can be changed to any colour of your choice, by the RGB adjustment switches in the consumer panel.

5. Automatic Foam Soap Dispenser

This is included in the Behind Mirror System, and dispenses a pre-measured quantity of foam soap when the hand is passed beneath the sensor

9. TMV3 Thermostatic Valves

Thermostatic Valves accurately control water temperatures hand-washing by maintaining a preset temperature. The use of TMVs in this Dolphin Module enables it to be used in all applications, including hospitals, care homes and schools.



More Module features

Hinged mirrors with gas struts

The mirrored doors are hinged at the top of the unit, with the locking mechanism under the module out of sight. The opening of these large doors is made considerably lighter by using gas struts. This makes them easy to service, keeping the janitors happy!

LED backlight Pictograms

The mirrored doors promote a stylist clean and crisp look with subtle LED backlit pictograms, showing where the Water, soap and dryer outlets are. There is also a low soap indicator showing when the soap tank is almost empty.

Water



Soap



Dryer



Low
Soap

Module size options

Modules are available in 3 different size options:

- 600mm wide
- 750mm wide
- 900mm wide

Module widths go from 1200mm wide to 7200mm wide – from a single washstation up to 12 washstations in one continuous run.

This gives you almost a free hand in washroom design whilst still using the modular unit.

Product specifications:

- MDF, long-life quality cabinets
- Mirrored cabinet doors - 1200mm and 600mm
- Full plumbing system for Sensor Taps, including – Hot Loop TMV3 Valves
- Foam Soap Multifeed System, 7 litre capacity = 17,500 foam snapshots
- Self-contained electrical unit, including full consumer unit with an RCD
- Electronic Sensor Foam Dispensers
- Touch Free Sensor Taps
- 1.0 Kw High Speed Energy Efficient Hand Dryer
- LED lighting, for pictograms and Under Cabinet Lighting
- Light Sensor turns the module lights off when the washroom is dark
- Patent pending

**We will be glad to visit to discuss your project –
please give us a call to work through the design
with you**

Behind Mirror



Dispensers and Dryers

Dolphin Behind Mirror products are the answer to wet washroom floors. Everything is where you need it and above the basin. No more walking around looking for the hand dryers. And it helps get people through the washrooms fast too!

WP 174 Dolphin Prestige Behind Mirror Soap Dispenser



H 153 x W 69 x D104 mm

- 200ml capacity
- 250 shots of soap

BC 5262 Dolphin Behind Mirror Dryer and Paper Towel Combination Unit



H 257 x W 340 x D 120 mm (left hand unit above)

H 257 x W 298 x D 120 mm (right hand unit above)

- These units can be separated, or sold separately
- Satin Stainless Steel

BC 9288BM Dolphin Behind Mirror Paper Towel Dispenser



H 358 x W 298 x D120 mm

- Contains 420 c-fold towels
- Refills towels from below
- Satin Stainless Steel

BC 2003 Dolphin Velocity Behind Mirror Dryer



H 185 x W 263 x D 139 mm

- High speed low energy hand dryer
- Dries hands in 13 seconds
- Rated power: 1,000w, 6.5A
- Satin Stainless Steel



Dispensers and Dryers

BC 5491BM Dolphin Behind Mirror Soap Dispenser



BC 5491 Satin Stainless Steel

H 335 x W 94 x D140 mm

- 1,200ml capacity
- 800 shots of soap per tank

WP 173 Dolphin Prestige Behind Mirror Soap Dispenser



WP 173 Satin Stainless Steel

H 150 x W 67 x D 85 mm

- Choice of sizes and capacities
- Drip free single action hand pump action

BC 9289 Dolphin Paper Towel Dispenser



BC 9289 Satin Stainless Steel

H 440 x W 268 x D1115 mm

- Contains 600 c-fold towels



Infrared Taps





Dolphin Blue Taps

Infrared taps

DB 100 Dolphin Blue Infrared Tap



DB 100 Satin Stainless Steel or Chrome

H 115 x W 172 mm

- Touch free automatic tap
- Settings can be adjusted
- **WRAS approved**

BC 633 Dolphin Counter Mounted Infrared Soap Dispenser



DB 633 Chrome Plated Brass

H 118 x Ø 38 mm, spout length 62mm

- Touch free automatic soap dispenser
- Capacity 1,000ml

DB 1400C Dolphin Blue Panel Mounted Infrared Tap



DB 1400P Satin Stainless Steel or Chrome

Ø 28 x W 220 mm

- Touch free automatic tap
- Settings can be adjusted
- **WRAS approval pending**

DB 1900 Dolphin Blue Panel Mounted Infrared Panel Mounted Tap



DB 190 Satin Stainless Steel or Chrome

H 96mm to spout x W 188 mm

- Touch free automatic tap
- Settings can be adjusted
- **WRAS approved**

Do Infrared Taps Pay for themselves? ... Yes they do!

A Case study

Office Building with approximately 1,000 employees.

Total number of taps in building – 70.

The line graph (right) shows the total cost for 4 different tap types over a 4 year period including initial capital outlay, cost of water and energy to heat water. (In this instance the cost of energy to heat water is included at the same cost as the water itself; however in many applications the energy used to heat the water is significantly more than the cost of the water itself)

Plumbing installation cost will be the same for all taps.

Allow 35no TMV2 Thermostatic Valves for Infrared and percussion taps (options 2, 3 & 4 below).

Allow £40 per tap for 240v power supply for transformer powered infrared taps.

The line graph below represents total capital outlay, power supply for transformer powered taps and thermostatic mixing valves and cost of water and energy for heating water.



Option 1

Purple line
= Manual tap
@£50 each



Option 2

Green Line
= Percussion Tap
@ £93.50 each



Option 3

Red Line
= Dolphin Blue
Infrared Tap – Transformer
Powered
@£189 each

Why Dolphin Velocity Dryers?

1. Up to 80% energy savings, when compared to conventional dryers.
2. Faster hand drying time - Saving Time.
3. Hygiene – touch free environment, reducing cross-contamination.
4. Payback time – when used in a busy environment, under one year.

Dolphin Velocity – saving energy, saving time, saving money, saving cross-contamination.


Comparison of Costs

High speed driers **vs.** Standard driers **vs.** Paper towels



High Speed Hand Dryer


1.6KW drying your hands in 10 seconds



Only **£93.32** per annum

Low Speed Hand Dryer

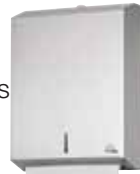
2.2KW drying your hands in 30 seconds



£384.98 per annum

Paper Towels

(allow 2 sheets per visit)



£1750.00 per annum

High Speed Hand Dryer



BC 2002 Dolphin Velocity Eco Dryer



BC 2002 Satin Stainless Steel

H 230 x W 246 x D145mm

- Dries hands in 10-15 seconds
- Operating power of only 1,000w (500w heating element)

BC 2001 Dolphin Velocity High Speed Hand Dryer



BC 2001 Satin Stainless Steel

H 301 x W 230 x D 189mm

- Dries hands in 10 seconds
- 1600w Dryer, 700w motor 900w heating element

BC 2007 Dolphin Velocity Eco Slimline Recessed Hand Dryer



BC 2007 Satin Stainless Steel

H 400 x W 320 x D 94mm

- Dries hands in 15 seconds
- Operating power of only 250-500w
- Infrared self adjusting sensor

BC 2011 Dolphin Velocity Hand Dryer



BC 2011 Satin Stainless Steel

H 650 x W 300 x D 190mm

- Dries hands in 6-10 seconds
- 850w Dryer

Combination Units



Paper Towels and Bins

WP 545 Dolphin Prestige Combination Unit



WP 545 Satin Stainless Steel

H 1048 x W 298 x D 120mm

- Surface Mounted Combination Unit (recessed version also available - WP 540R)
- Paper Towel Dispenser Holds 500 towels
- 11 litre Waste Bin

BC 28 SCA Dolphin Velocity Recessed Combination Unit



BC 28 SCA Satin Stainless Steel

H 1660 x W 360 x D169mm

- Operating power of only 1,600w
- Paper towel dispenser
- Dolphin Velocity hand dryer dries hands in 10 seconds
- Waste Bin with Receptacle

WP 506 Dolphin Prestige Combination Unit



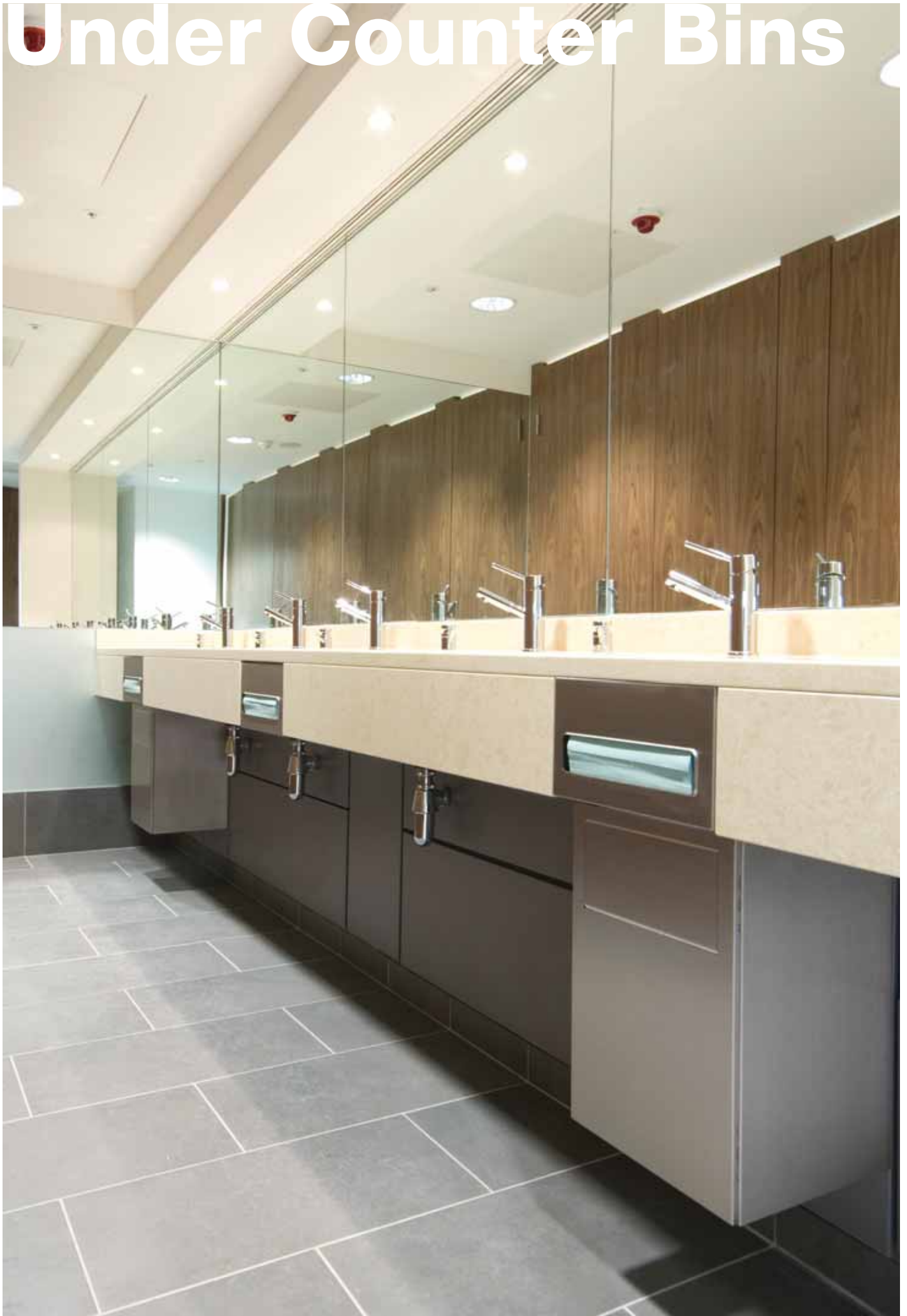
WP 506 Satin Stainless Steel

H 148 x W 298 D 448mm

- Paper Towel Dispenser Holds 250 Towels
- Soap dispenser holds 1,000ml



Under Counter Bins



WP 511 Dolphin Prestige Combination Unit



WP 511 Satin Stainless Steel

H 645 x W 298 x D 164 mm

- Under Counter Combination Unit
- Paper Towel Dispenser Holds 250 towels
- 11 litre Waste Bin

BC 915 Dolphin Bin Ring



BC 915 Satin Stainless Steel

Ø 150 x H 250 mm

- Superior quality and timeless design for prestigious washrooms
- High quality brushed stainless steel finish
- High class welded seams for excellence in user experience
- Unique extended depth to hide bin contents from easy visibility

WP 145 Dolphin Prestige Bin Frame



WP 145 Satin Stainless Steel

170 x 170 mm

- Surface mounted bin frame

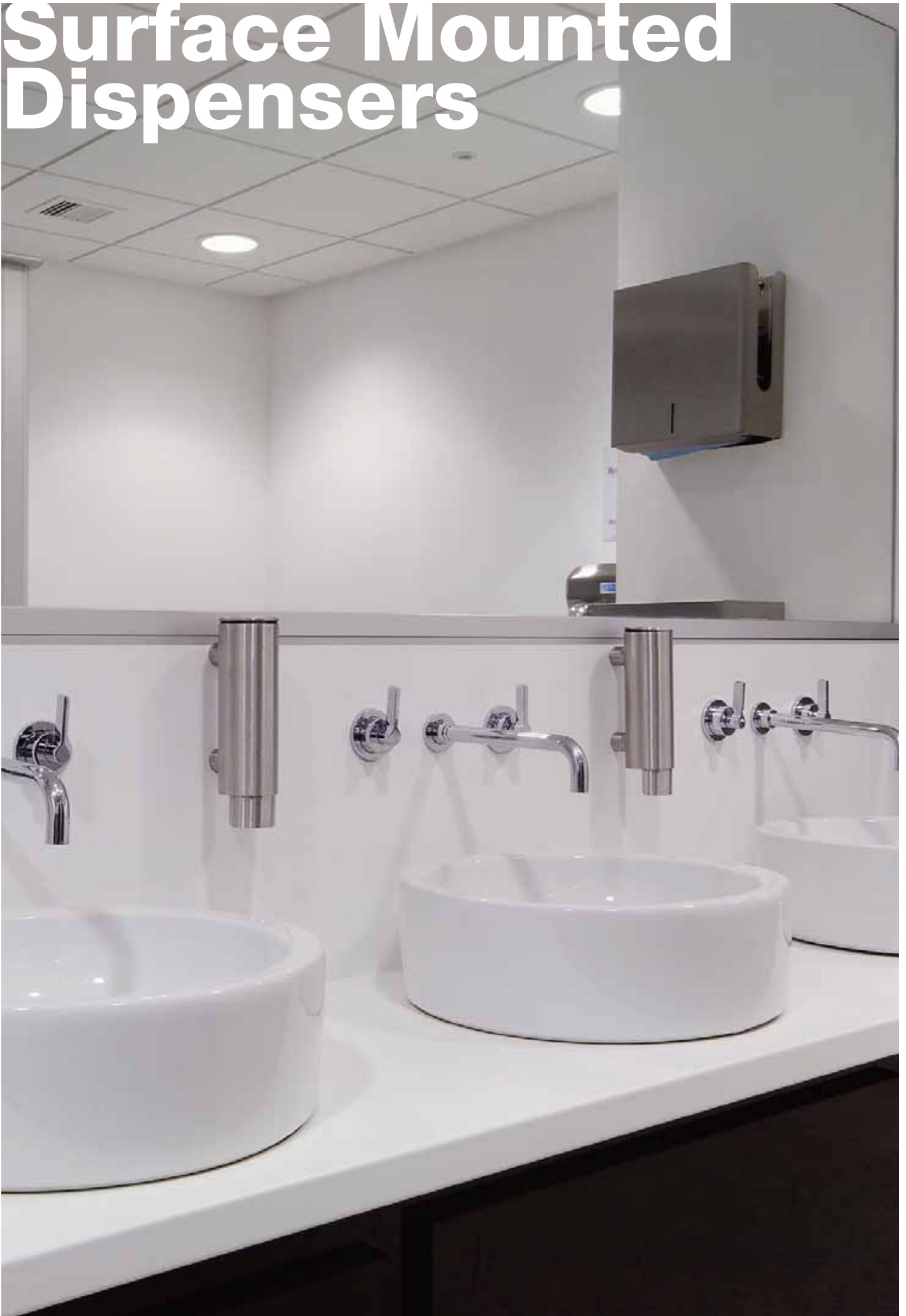
WP 5504 Dolphin Prestige Bespoke Bin Flap



WP 5504 Satin Stainless Steel

- Can be printed with the phrase of your choice
- Self closing, fire retardant flap

Surface Mounted Dispensers





Dolphin Surface Mounted Bins

Toilet Tissue and Paper Towel Dispensers

WP 194 Dolphin Prestige Soap Dispenser



WP 194 Satin or Polished Stainless Steel

Ø 28 x D 125 mm

- Panel mounted
- Takes a choice of soaps

WP 191-1 Dolphin Prestige Soap Dispenser



WP 191-1 Polished Stainless Steel

H 62 x Ø 38 mm

- 250, 500 and 1000 ml soap reservoir or multifeed system
- Soap can be refilled above the counter by removing top of dispenser.
- Fixed Spout - will not rotate
- Solid brass pump for excellent durability

BC 613 Dolphin Soap Dispenser



BC 613 Brushed Satin and Polished Stainless Steel

H 171.5 x Ø 76.5 mm

- 400 ml capacity
- Uses standard liquid hand soap and anti bacterial soap

BC 630 Dolphin Soap Dispenser



BC 630 Brushed Nickel or Polished Chrome

H 75 x W 103 mm

- 1000 ml soap reservoir or multifeed system
- Refill above the counter by removing top of dispenser.
- Pump action – non drip
- Solid brass pump for excellent durability

Dolphin Surface Mounted

Dispensers

BC 631 Dolphin Soap Dispenser



BC 631 Chrome Plated Stainless Steel

H 104 x Ø 26 x D 164 mm

- 1000ml capacity
- Touch Free
- Designed to match DB100 and DB200 Series Dolphin Blue Infrared Taps

BC 360 Dolphin Soap Dispenser



BC 360 Satin or Polished Stainless Steel

H 212 x Ø 60 x D 80 mm

- 250ml capacity
- Takes a choice of soaps

BC 928 Dolphin Maxi Paper Towel Dispenser



BC 928 Satin or Polished Stainless Steel

H 203 X W 280 x D 102 mm

- Capacity 250 c-fold towels or multi-fold towels
- Ideal for larger washrooms

BC 325W Dolphin Excel Plastic Mini Jumbo Dispenser



BC 325W White Plastic

Ø 270 x D 130 mm

- Capacity 250m roll
- Robus locking mechanism
- Inner core diameter: 2 1/4"
- Can fit up to 3" core diameter roll
- Janitor friendly – easy to refill

BC 100-BQS Dolphin Child Safety Seat



BC 100BQS Moulded Polyethylene

H 405 x W 305 x D 335 mm

- Open 335, closed 95mm
- Supports static load of 36.3kg
- Use as a high chair to save on floor space
- 5 years warranty

BC 100EH Dolphin Horizontal Nappy Changing Unit



BC 100EH Moulded Polyethylene

H 870 x W 390 x D 335 mm

- Open 446, closed 100mm
- Supports static load of 113kg
- Safety belt with cam buckle is adjustable with one hand
- 5 years warranty

BC 100-SSC Dolphin Stainless Steel Clad Nappy Changing Unit



BC 100-SSC Satin Stainless Steel

- Surface mounted version: H 551 x W 955 x D 436 open/108 closed mm
- Recessed version: H 543 x W 947 x D 333 open/ 5 closed mm
- Supports static load of 113kg
- 5 years warranty

BC 5083 Dolphin Stainless Steel Doc M Packs



BC 5083 Doc M Satin Stainless Steel

- Doc M 3 Pack – Includes 3 rails, hinged support rail and padded backrest
- Doc M 4 Pack – Includes 4 rails, hinged support rail and padded backrest
- Doc M 5 Pack – Includes 5 rails, hinged support rail and padded backrest

Dolphin Surface Mounted

Hotel Range: Ideal for student and hotel accommodation



BC 721 Dolphin Toilet Tissue Dispenser

- H 108 x W 150mm
- Projection 66mm
- Ø of wall plate cover 48mm
- Designed to hold a single toilet roll



BC 726 Dolphin Double Robe Hook

- Projection 60 mm
- Ø of wall plate cover 48mm



BC 722 Dolphin Spare Toilet Tissue Dispenser

- W 85 x H 230mm
- Projection 97.5 mm
- Ø of wall plate cover 48mm
- Designed to hold 2 spare toilet rolls



BC 727 Dolphin Toilet Brush

- Ø of Stainless steel container 88 x H 391mm
- Projection 133 mm
- Plastic inner container, removeable for emptying/cleaning



BC 724 Dolphin Toilet Dish

- H 48mm, Ø of soap dish 63mm
- Projection 102 mm
- Ø of wall plate cover 48mm
- Removable glass soap dish



BC 728 Dolphin Towel Rail

- W 650 x Projection 108 mm
- Ø of wall plate cover 48mm
- Fixing points @ 600mm centres



BC 725 Dolphin Single Robe Hook

- Projection 60 mm
- Ø of wall plate cover 48mm



BC 729 Dolphin Glass Shelf

- W 450 x Projection 108 mm
- Ø of wall plate cover 48mm
- Fixing points @ 400mm centres
- Robust 7mm tempered glass shelf for safety and durability, transparent finish



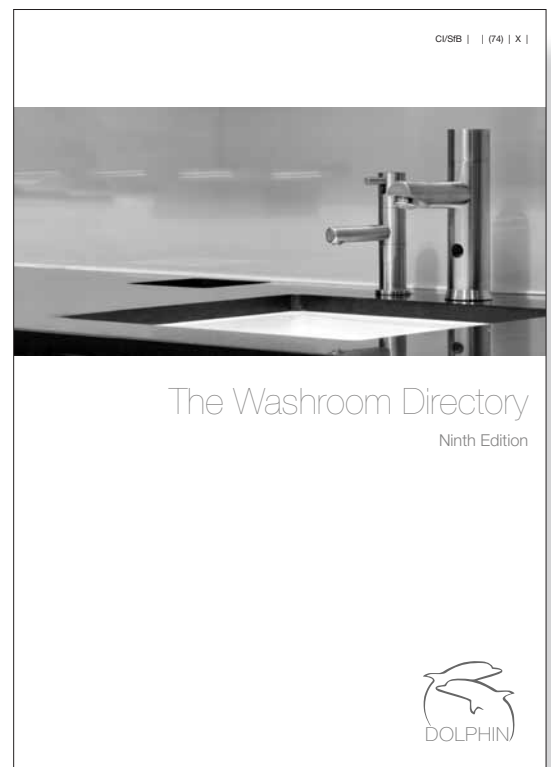
See the whole range at www.dolphindispensers.co.uk



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- download DWG drawings of most products

Or ask your distributor for a copy of the new Washroom Directory 9th Edition

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- Hundreds of pages
- Many beautiful colour photographs showing our products insitu





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