

HIGH SECURITY AND SAFE ENSUITE WASHROOM SOLUTIONS



KWC DVS

KWC DVS

Over 235 years of expertise

2 — 3



Specialising in water saving technology for commercial washrooms, KWC DVS Ltd. has been producing leading automatic washroom technology for over 35 years. KWC DVS is a market leader in the field of water-saving products along with automatic washroom products for specialist applications, including the healthcare, mental healthcare, custodial and public sector markets.



KWC DVS Northern Office, Chesterfield, UK



KWC DVS Southern Office, Devon, UK

Alongside the extensive product portfolio, an expert team of engineers are on hand to support installations, whilst our technical sales teams give tailored project support and specification advice.

The KWC Group combines the benefits of reduced water consumption with a focus on hygienic design. KWC DVS are proud to be part of a global Group that produces products which have been used in demanding commercial environments

for many years.

The KWC brand consists of four strong brands that become one: as KWC Group, we unite Franke Water Systems Commercial, DEKO and DVS under the KWC brand.

Together we have been developing and improving our products and expertise for decades, in some cases more than a century. This is what makes us so successful internationally.

CE/UKCA MARKING is applied to products to indicate conformity to the current regulations. Certifications can be found on our websites.

BREEAM We can assist specifiers in achieving BREEAM points for projects with a range of water and energy efficient products.

UNIFIED WATER LABEL Part of the BMA, the water efficient product label focuses on specific water saving products that are particularly water efficient.



NSF TMV3
TMV3 scheme ensures that products are suitable for healthcare environments and provide a safe water supply.



WRAS promote, encourage and enforce the prevention of waste, undue consumption, misuse, or contamination of water.

HOLDERS OF ISO9001 globally recognised rigorous set of standards for quality management.

HOLDERS OF ISO14001 globally recognised rigorous set of standards for environmental management

ACCREDITED CONTRACTOR CHAS The Contractors Health and Safety Assessment Scheme improves health and safety standards across the UK.

SAFE CONTRACTOR APPROVED
SafeContractor delivers a tailored health and safety accreditation.

CONSTRUCTIONONLINE Help buyers to simplify and speed up their search, improving resource and cost efficiency through the validation of purchasing decisions. Based on suppliers completion of multiple document working to the PAS 91 criteria.

RIBA CPD We offer a choice of RIBA approved CPD interactive seminars – a must for anyone specifying washrooms for commercial projects.

BMA The Bathroom Manufacturers association acts as an information highway between Industry Government and the consumer on all issues that affect the bathroom business in the UK.

WELS Australian Standards relating to product quality, including health and safety efficiency.

MOJ APPROVAL KWC DVS products have been through the MoJ standard compliance process and are approved for use in prison cells including those designated as Safer Cells.



IHEEM
Institute of Healthcare Engineering & Estate Management is the UK's largest specialist Institute for the Healthcare Estates sector.



NBS SOURCE is a tool that creates a single source for product information and data. There are over 200 products listed and a range of corresponding BIM models available.



WATER TECHNOLOGY LIST (WTL) WTL provides details of products that qualify for the enhanced capital allowance scheme.

MENTAL HEALTH FACILITIES

Specific issues and facts

Safe ensuite design solution

Designing products for mental healthcare environments is of paramount importance. Unlike classic sanitaryware, our range of high-security and ligature resistant products are virtually unbreakable.

The safe ensuites feature Glass reinforced polyester (GRP) security basins, WCs, and accessories. This material is a single skin configuration which has three different weaves of glass fibre to give the product a good internal structural integrity, this is then impregnated with polyester resin to matrix it all together to produce the strong and extremely durable composite material.

This production technique is utilised in ballistic armour, finished with a thick white gelcoat which is extremely durable and used in the most demanding marine applications. The material is also fire retardant, making it ideal for mental healthcare environments.

Complete the safe ensuite with stainless steel ligature resistant shower heads, wave on/off flushing systems and behind the wall control systems.

There are several documents which outline guidance when designing these specialist washrooms, however there are no strict accreditations that they have to adhere to. The documents include:

- Health Building Note 03-01: Adult acute mental health units
- Health Building Note 03-02: Facilities for child and adolescent mental health services (CAMHS)
- Environmental Design Guide - Adult Medium Secure Services
- BMA testing for robustness - Find official title and date of publication.
- Informed Choices: Testing Guidance for Products in Mental Health Facilities



Ligature resistant



Fire retardant material



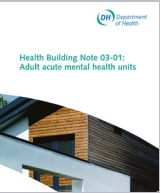
High security



Easy to install



No touch operation



Health Building Note 03-01: Adult acute mental health units:

All bedrooms should be provided with an ensuite facility, comprising WC, wash-hand basin and shower, which is directly accessible from within the bedroom and is not shared. Fixtures and fittings should be robust, anti-ligature, prevent opportunities for concealment and meet infection control requirements. Our products have been manufactured in accordance with this guidance.

MATERIAL TYPES

Highest quality materials

Stainless steel

Sanitary fixtures manufactured from stainless steel inhibit vandalism and are easy to clean, helping building operators to keep service and maintenance costs to a minimum.

Stainless steel is not only resistant to moisture and most acids, it also stands out due to its hardness, high tolerance of heat and cold and hygienic characteristics which makes it the first choice for hospitals and food processing plants. Dirt and oil can easily be washed from the smooth, pore-free surface without the need for harsh cleaning products.

Glass reinforced polyester

Glass reinforced polyester is a highly impact and corrosion resistant composite material. Although it is lightweight and makes it easy to mount on existing structures, it is also extremely robust.

When designing load bearing products such as WCs, GRP is perfect as its high strength properties can fulfil this need. GRP also allows for less material to be used than other structural materials. All of these properties make GRP a perfect product for use in safe ensuite environments ensuring ligature resistance and long lasting product life.



Robust material



Glass reinforced polyester



Stainless steel



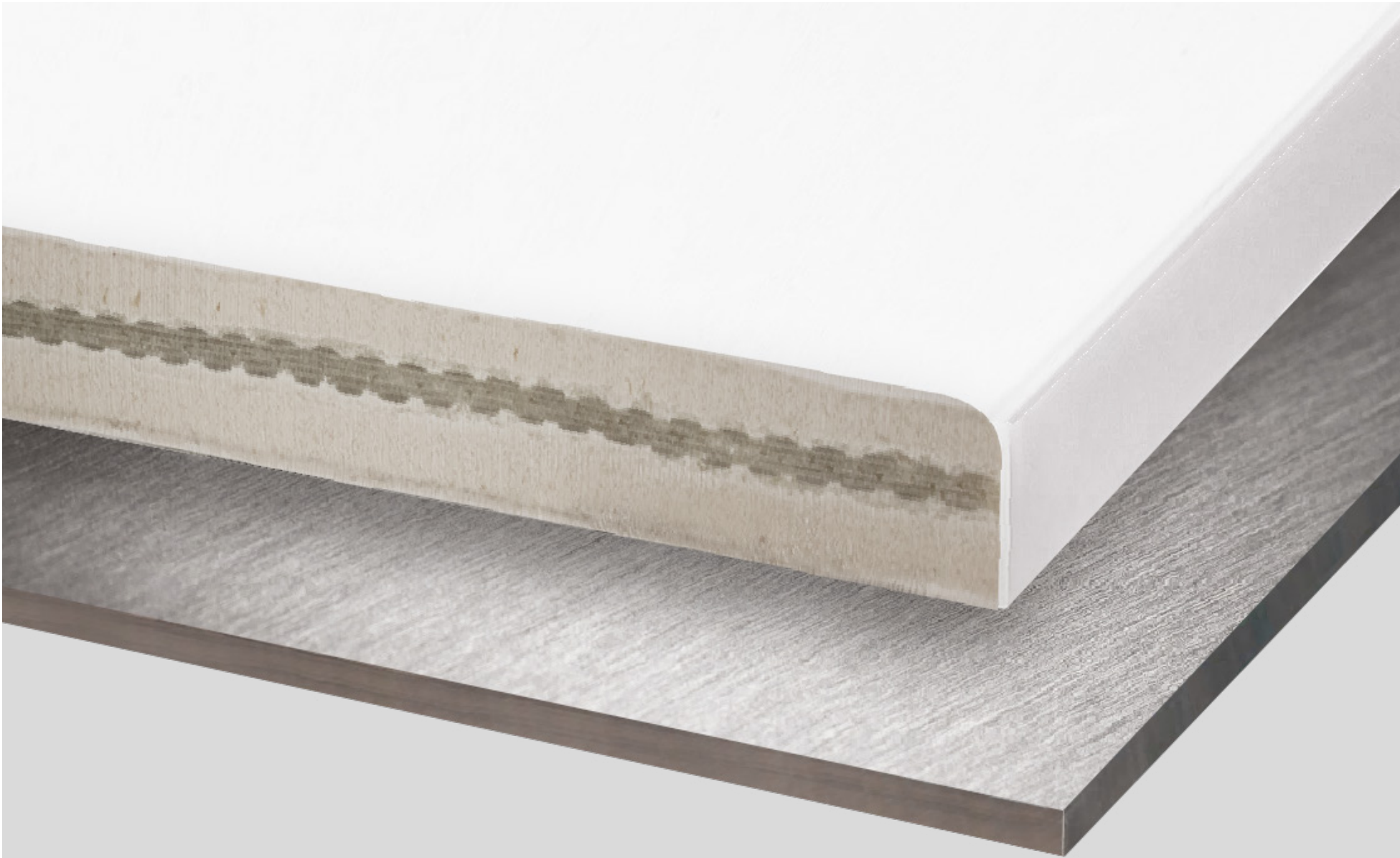
5 year warranty



Shatter-proof materials



Vandal resistant



Stainless steel

Stainless steel being is a high quality material, which is why we use it for a lot of our product ranges, it is also 100% recyclable.



Glass reinforced polyester

GRP material is fire retardant.

WASHROOM CONTROLS

Multi-channel control system box



Control and extract data

The bi-directional remote can be used to fully programme the room to suite a user's specific needs or requirements. Statistical data can also be extracted from the remote using USB interface. Controlling the washroom to ensure the highest safety and hygiene for the user has never been easier.



MULTI-CHANNEL WASHROOM CONTROL BOX

The multi-channel control system is suitable for; WC flushing, no-touch taps, showers & bath controls. The key switch enables control of water and lock-outs.

VR07-020	209.0606.405	Multi-channel control box
AC04-016	230.0625.725	Water control key switch



LIGATURE-RESISTANT WAVE-ON/OFF SENSORS

Wave-on sensors with hot or cold indications.

AC02-041	208.0606.408	Wave-on (hot)
AC02-040	208.0597.257	Wave-on (cold)
SH00-003	210.0643.166	Wave-on shower sensor



LIGATURE-RESISTANT TACTILE SWITCHES

Tactile switches with hot or cold indications.

AC02-047	208.0606.406	Hot
AC02-046	208.0606.407	Cold

SAFE ENSUITE DESIGN SOLUTION

The multi-channel control system has been designed to control the washroom and is compatible with a range of products including WC flushing, no-touch taps, showers and bath controls. The control box can be fully programmed using the handheld programmer and has been designed to meet the requirements for safe ensuite applications. Installation is simple with an easy access removable wiring platform, a fully hinged front cover allows full access to the sensor and valve plugs.

Features

- Program 10 independent channels plus 2 flushvalves
- Compatible with sensors (12V) & tactile switches
- Settings are adjusted via hand-held programmer
- Compatible with 12 NC Solenoid Valves
- Powered via fused spur (230V AC)



Fully programmable



Control 10 channels



Easy to install




Electronic or manual control


PROGRAMMABLE ENSUITE SOLUTION

Control the washroom


Adjustment of our products such as taps, urinals, WCs, baths and showers is effortless with the control box and programmable remote control. The sensors can be optimised with various function and control options via the programmable remote. No control box is needed with the hand held programmer as it is possible to program per room and set different parameters in order to suit a users specific needs. Adjustable settings include; sensor range, flush time, purge, lockouts and more. Our sensors are manufactured from robust stainless steel with a polycarbonate lens, the sensors have been designed to be almost unbreakable and are fireproof with a 316 stainless bezel.




Real time data upload via USB




Real-time data, purges and more



Many adjustable settings



Automatic flushing models



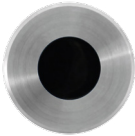
Compatible with a range of products



HAND-HELD PROGRAMMER WITH USB INTERFACE

Quick and easy adjustment of settings including; run-on time, range, purge and more.

AC01-001 208.0485.914



WC SENSOR

The programmable sensor allows quick and easy adjustment of settings including; run-on time, range, purge and more.

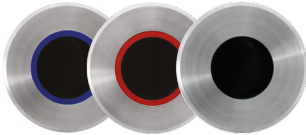
AC02-037 205.0643.148 Stainless



SHOWER SENSOR

Suitable for controlling up to two ensuites or individual items including taps, showers or baths.

AC02-033 208.0630.420 Red (hot)



BASIN & BATH SENSORS

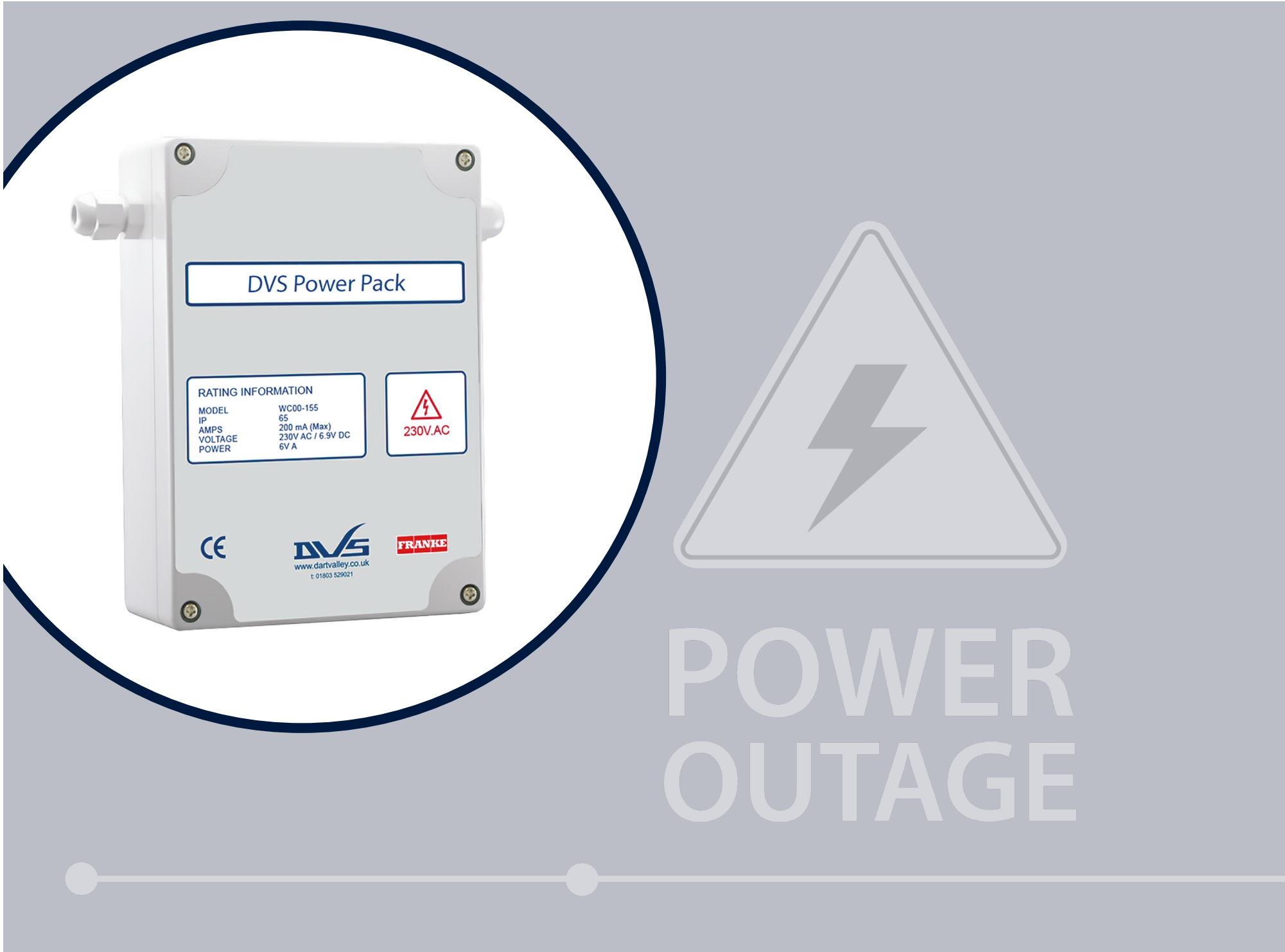
Sensors which can be optimised with hand-held programmer.

- AC02-017** 208.0606.395 Stainless tap sensor
- AC02-024** 208.0606.397 Blue (cold)
- AC02-025** 208.0606.398 Red (hot)
- AC02-022** 208.0606.369 Stainless bath sensor



POWER PACK

6V programmable



6V POWER PACK

The power pack is designed to continually supply power for up to 10 days depending on load if there is a power out.

WC00-155 208.0612.597



6V ISOLATION UNIT

The 6V Isolation System enables programmable taps, showers, urinals, WC's and baths to be isolated effectively, minimising the risk of the valves becoming latched on during operation.

AC04-030 212.0630.588



LOW VOLTAGE WC FLUSHVALVE KITS

Low voltage WC flushvalve kits, complete with programmable sensor and mains PSU.

WC03-013 209.0610.660 1 ½" base

WC03-014 209.0611.269 2" base

POWER PACK

The power pack is designed to provide power in the most demanding of environments, even those which are prone to power outages. The system features an on-board intelligent charger to keep the battery at an optimum charge level. In the event of a power out, the battery will continue to supply power for up to 10 days depending on load.

The 6 volt power pack is compatible with our range of taps, programmable sensors and low voltage flushvalve controls. The power pack has the capability to power up to 5 products in series from one unit.



Fully programmable



Can power up to 5 products



Power for up to 10 days




Intelligent charger

SAFE ENSUITE BASINS & BACKPLATES


Manufactured from GRP

Safe ensuite basins


The safe ensuite range has been designed for the toughest environments and manufactured using advanced technologies. This range is robust, vandal-resistant and avoids ligature points where possible including a concealed waste outlet and removable rubber plug. The GRP material with a polyester gelcoat finish is highly resistant to cyclical stresses and impact. The design is aesthetically pleasing and can be used in conjunction with our latest range of floor and wall mounted WC pans, providing the ideal safe ensuite package solution for use in many sectors. These basins can be fully programmable with features such as lock outs, run on times, purge and sensor range control. They are also designed to allow thermostatic control of water temperature.




GRP material




Highly durable anti-shatter




Fire resistant GRP



Ligature resistant



Secure fixings



Integrated sensors*

*VR01-030, VR01-085 only



HIGH SECURITY BASIN WITH BACKPLATE
High security basin with integrated backplate, manufactured from GRP material.

VR01-030	203.0612.738	Dual spout
VR01-039	203.0643.150	Single spout



SAFE ENSUITE LOW PROFILE BASIN
Manufactured from GRP, with or without tap holes.

VR01-081	203.0616.261	No tap holes
VR01-082	203.0630.343	Left tap hole
VR01-083	203.0630.318	Right tap hole
VR01-084	203.0630.317	2 tap holes



SAFE ENSUITE IN WALL BASIN
Vandal-resistant, ligature resistant, in wall basin manufactured from GRP material.

VR01-085	208.0597.160
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SAFE ENSUITE BACKPLATE
Manufactured from GRP, designed to be used in conjunction with safe ensuite basins.

VR01-107	203.0616.262
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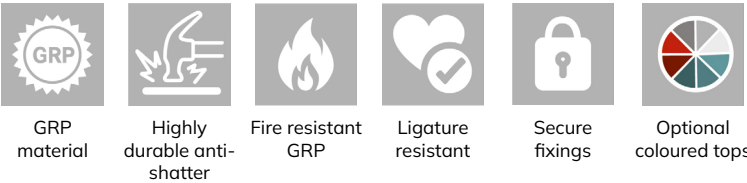


SAFE ENSUITE WCS

GRP WCs

Safe ensuite WCs

The high security range of WC pans have been designed and tested to be vandal-resistant and avoid ligature points wherever possible. The techniques employed to construct these pans are used very successfully in the field of ballistic armour manufacturing, this results in unrivalled impact resistance. A high-grade non-porous polyester gel coat surface in all white comes as standard, and also available with coloured gel coat rim to assist partially sighted users. The gel coat has been specially formulated to resist chemicals and ultraviolet rays. This GRP white glossy material also makes the washroom look conventional, providing a familiar environment for the users.



STANDARD BACK TO WALL WC 420MM

High-security WC pan, manufactured from high performance composite material.

Dimensions: 400 x 420 x 510mm (w x h x d)

VR01-010 205.0630.320



LESS-ABLED BACK TO WALL WC 480MM

High-security WC pan, manufactured from high performance composite material with a blue top.

Dimensions: 400 x 480 x 510mm (w x h x d)

VR01-035 205.0606.433 WC

VR01-119 Spacer box



WALL HUNG WC PAN

High security wall hung WC pan, manufactured from high performance composite material.

Dimensions: 400 x 370 x 510 (w x h x d)

VR01-017 205.0630.392



HIGH SECURITY WALL HUNG WC PAN

High security wall hung WC pan, manufactured from high performance composite material with blue top.

Dimensions: 400 x 370 x 510 (w x h x d)

VR01-036 205.0630.394



STAINLESS STEEL WC PANS

Vandal resistant, robust WCs



ACCESSIBLE WC
Floor standing disabled persons WC pan, manufactured from grade 1.4301 (304) stainless steel - satin polish finish, material thickness of 1.5mm for the pan and shroud with a stainless steel P trap.

G21748N	205.0607.272	Duct mounted inlet
G21748NT	205.0607.186	Top inlet



HEAVY DUTY BOLT FIX WC PAN
Heavy duty campus wall mounted bolt fix WC pan. Manufactured from 1.5mm thick grade 1.4301 (304) stainless steel with a satin polish finish.

HDTX597	205.0000.028	WC only
HDTX597S	205.0000.030	With grey seat pads
HDTX597B	205.0000.029	Black seat and lid

STAINLESS STEEL WCs
We have a wide range of vandal resistant WCs that have been specifically designed for use in all types of public and commercial buildings, but particularly vandal prone areas such as low category prisons and court areas. The range includes heavy duty bolt fix WCs with optional seats or pads and an accessible range with duct or top inlet.

The range of WCs conform to BS EN997 standards and are manufactured from durable high quality stainless steel which is able to withstand high temperatures and vandalism. The heavy duty option has been designed to be bolt fixed through the wall, making it ideal for low category and resettlement prison environments, preventing the fixing elements being accessed or vandalised by the user.

Robust stainless steel material

Easy maintenance

Vandal resistant

Easy to clean

STAINLESS STEEL COMBINATION UNITS

High-security WC and washbasin combination units



WC WASHBASIN COMBINATION UNITS

Stainless steel WC washbasin combination unit with a satin finish. Designed with electronic spout, controlled via the washroom control box (included).

Dimensions: 810 x 1050 x 780mm - Right & left hand WC
Dimensions: 500 x 1050 x 890mm - Centre WC

AC04-040 206.0639.096 Right hand outlet

AC04-041 206.0639.097 Left hand outlet

AC04-042 206.0640.217 Centre outlet



WC WASHBASIN COMBINATION UNITS

Stainless steel WC washbasin combination unit with a satin finish. Designed with electronic spout, controlled via the washroom control box (included).

Dimensions: 700 x 1000 x 670mm - Right & left hand WC
Dimensions: 390 x 1000 x 780mm - Centre WC

AC04-043 206.0639.099 Right hand outlet

AC04-044 206.0639.100 Left hand outlet

AC04-045 206.0639.261 Centre outlet

STAINLESS STEEL COMBINATION UNITS

The combination units feature an integrated WC and washbasin with a range of water controls and cisterns. These units have been installed in over 100 locations worldwide in secure washrooms, prisons, police stations and custody areas.

The units are made of 2mm thick, grade 304 Stainless Steel and prevent the user from concealing drugs, dismantling or tampering with the unit and have several ligature-resistant features. The WC is approved to EN- 997 for 6 litre flushing performance.

- All welded construction with satin polished finish
- Grated waste outlet
- All pipework provided
- Left, centre or right WC options
- Integrated toilet roll holder



304 stainless steel



HBN 00-03, AAMHU



Robust material



Easy to clean




Ligature resistant

FLUSH VALVES AND CISTERNS


Water saving flush valves and cisterns

Flush valves


Our range of flush valves are an ideal choice for all high usage washrooms, providing reliable water saving benefits. The flush valve can be set to flush automatically or by wave operation which reduces the risk of cross-contamination. Both auto and wave options have dual flush capability although a single 4 litre flush is recommended. The flush valve has been designed to be compatible with most WC cisterns on the market therefore there is no need to change the existing plumbing as it can be retrofit to existing installations.




Non-touch sensor*




Fully programmable*



Adjustable settings



Dual flush options



Water cost saving up to 30%



WC FLUSHVALVE KIT WITH PROGRAMMABLE SENSOR

Low voltage WC flushvalve kit with programmable sensor.

WC03-013	209.0610.660	1 ½" base
WC03-014	209.0611.269	2" base



CONCEALED CISTERN KIT

Kit includes WRAS approved side entry valve, flush pipe, back to pan connector, concealed cistern and blanking plug.

WC02-011	209.0610.921	1 ½"
WC02-012	209.0610.922	2"



WC FLUSHVALVE KIT WITH WAVE-ON SENSOR

Standard WC Flushvalve kit with vandal resistant wave-on sensor and 3m cable.

WC03-022	209.0606.400	1 ½" base
WC03-023	209.0643.162	2" base



CONCEALED CISTERN KIT VERTICAL

Kit includes WRAS approved side entry valve, flush pipe, back to pan connector, concealed cistern and blanking plug.

WC02-013	209.0583.507	1 ½"
WC02-014	209.0610.923	2"

WRAS Approval
for flushvalve
only



Water conservation

Flush controls typically save 30% of water usage and costs. The range has been designed with adjustable settings for optimum flush, purge, lock-outs and more. Our range of flush controls exceed the BREEAM 6 litre base level for water efficiency. The WRAS approved kits are optimised for water conservation operating as low as 4 litres per flush.

SHOWERHEADS

Ensuite showers



The internal waterways are moulded in antimicrobial ABS with added Biomaster silver ion technology. This provides long-term defence against harmful bacteria and helps to prevent the growth of waterborne biofilms that can be easily spread. Biomaster guarantees fast, effective antimicrobial protection for the effective lifetime of the products.



ONE PIECE ANTIMICROBIAL SHOWERHEAD

The antimicrobial showerheads have a removable brass front cover with a chrome finish, and brass backplate. The four colour quarterly cleaning regime and push-fit connection ensures excellent levels of hygiene.

SH07-095 210.0606.437



HIGH-SECURITY WALL MOUNTED SHOWERHEAD

Aquarius WM straight tap spout.

SH07-040 210.0606.451



HIGH-SECURITY CEILING MOUNTED SHOWERHEAD

Aquarius WM straight tap spout.

SH07-046 210.0606.449 Ceiling mounting

SH07-047 210.0606.452 Flush mounting



TEMPERATURE BLENDING VALVE ADJUSTER

Ligature-resistant temperature blending valve.

SH00-011 210.0642.185

ENSUITE SHOWERHEADS

The range of antimicrobial and high-security showerheads are designed for excellent hygiene in mental healthcare environments and allow for easy maintenance. The one-piece shower head (SH07-095) has a push-fit connection and four coloured replacement heads to promote a quarterly cleaning regime. The high-security showerheads are designed with a one-piece antimicrobial ABS outlet. Replacement of the antimicrobial outlet is straightforward via the tamper-proof security screw without the need to remove the whole showerhead.



Antimicrobial material



4 different flow rates



Ligature resistant



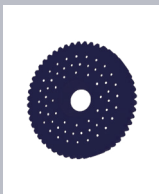
Easy cleaning regime



Fully recyclable*

SHOWERING SOLUTIONS

Ligature resistant, durable and hygienic shower panels



One piece antimicrobial ABS outlet

The Biomaster silver ion technology provides long-term defence against harmful bacteria, preventing the growth of waterborne biofilms. The recyclable outlet can be removed for regular servicing or replacement, different colours are available to aid a quarterly replacement regime.

SH00-060 210.0606.442 White

SH00-064 210.0643.163 Blue



DUAL-OUTLET STANDARD TOWER WITH HIGH- SECURITY SHOWERHEAD

Assisted and unassisted showering with fixed head or quick release hose. The temperature and flow are independently controlled (NSF approved valve).

SH01-013 210.0606.443



CEILING HEIGHT TMV3 TOWER WITH HIGH-SECURITY SHOWERHEAD TACTILE BUTTON

Fits flush against the wall & ceiling, designed with a single piece outer case. Operated via a tactile button with auto switch off.

SH01-005 210.0611.633



CEILING HEIGHT TMV3 TOWER WITH HIGH-SECURITY SHOWERHEAD WITH PROGRAMMABLE SENSOR

Fits flush against the wall & ceiling, designed with a single piece outer case. Operated via a programmable sensor.

SH01-061 208.0611.634

HIGH-SECURITY SHOWERS

The branded range of shower towers are available in stainless steel or powder coated and create water efficient showering for a wide range of environments. The range includes ligature resistant antimicrobial showers which have been designed for high security areas. The touch-free shower panels can save up to 50% of water when compared to manually operated showers.

The shower tower range is flexible with a choice of programmable wave on sensors, self-closing or manual functions. The touch-free shower towers are pre-set to run for 1 minute and can be easily customised using the hand-held programmer in order to achieve optimum water conservation and functionality.



316 stainless steel



NSF approved



Ligature resistant



Easy to clean



Pre-set/ customisable

BATH FILLING STATION

Ligature-resistant bath spouts and backplate

30 — 31



HIGH SECURITY BATH FILLING BACKPLATE
Ligature resistant backplate with polyester gelcoat finish. Manufactured from glass reinforced polyester for a modern finish.
VR01-111 208.0643.165



HIGH SECURITY WALL MOUNTED TAP SPOUT
316 stainless steel ligature resistant spout, 5 litres per minute flow rate.
AT07-043 208.0630.398



LIGATURE RESISTANT BATH SPOUT
316 stainless steel ligature resistant deck mounted spout.
AT07-059 208.0630.400

HYDROTHERAPY
The HBN 00-03 guidance document states “Consideration should be given to providing controls that minimise the risk of overflowing baths and showers.” We have designed a bath filling station along with high-security and ligature resistant spouts.
The high-security bath filling backplate uses the same robust, vandal-resistant construction as the rest of the safe ensuite sanitary-ware range. The design incorporates a modern aesthetic, easy to clean gel coat finish and integrated stainless steel spouts. The electronically controlled bath filling backplate can also limit the time in which water is allowed to flow, preventing any overflowing.
The 316 Stainless Steel bath spout provides a minimal and hygienic easy to clean design, whilst the standard ¾” BSP brass tail allows straight forward removal and exchange of the spout during maintenance.

GRP material	316 stainless steel spouts	HBN 00-03, AAMHU	Robust material	Easy to clean

LIGATURE-RESISTANT ACCESSORIES

Robust GRP accessories

Accessories

We have a full range of ligature resistant accessories designed for custodial, healthcare and mental healthcare applications. The range includes shelves, soap dishes, mirrors, hooks and more that have all been designed with a high quality GRP composite material and with the users safety in mind.

Features

- Ligature resistant design
- Impact resistant GRP moulded frame
- Poly-carbonate mirror insert
- Moulded soap dish for easy cleaning
- Hygienic, easy to clean gel coat finish
- Easy and secure method of fixing



GRP material



Robust material



HBN 00-03, AAMHU



Easy to clean



Hygienic gelcoat finish



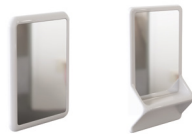
LIGATURE RESISTANT SHELF

VR01-108 201.0630.225



HIGH SECURITY CORNER SOAP DISH

VR01-026 241.0630.411



HIGH SECURITY MIRROR WITH FRAME

VR01-025 201.0630.413 Without shelf

VR01-037 201.0630.412 With shelf



LIGATURE RESISTANT HOOK

VR01-054 201.0630.414



HIGH SECURTY SOAP DISH

VR01-109 201.0630.415



LIGATURE RESISTANT TOILET PAPER HOLDER

VR01-055 201.0630.419



GRP material

Glass reinforced polyester (GRP) is a single skin configuration which has three different weaves of glass fibre to give the product a good internal structural integrity, this is then impregnated with polyester resin to matrix it all together to produce the strong and extremely durable composite material. The gelcoat finish makes the product extremely durable and aesthetically pleasing.

TDV & TMV

Prevents biofilm reducing the risk of water-borne pathogens*

34 — 35

Thermal disinfection and thermostatic mixing valves


The thermal disinfection valve (TDV) has been designed to prevent biofilm, reducing the risk of water-borne pathogens by allowing thermal disinfection from the TMV through to the outlet (1 x TDV is required per TMV). The valve is suitable for taps, showerheads and other washroom equipment fitted with a TMV.

The thermostatic mixing valve (TMV) has been designed for use with basins, showers and baths. The valve is manufactured to control water outlet temperature to fall within +/-2C regardless of fluctuations in temperature and pressure of hot and water supplies. The valve will shut the mixed water outlet immediately if hot or cold water were to fail. The TMV is WRAS approved under the TMV3 scheme to the DO8 specification.


Thermal disinfection is enabled manually via a hex socket key with quarter turn operation. The integral non-return valves prevent a backflow of water ensuring excellent levels of hygiene. Manufactured from DZR brass which is highly resistant to corrosion and is compatible with 22mm or 15mm pipework (3 x 15mm reducers required).

- TDV features**
- Reduces risk of water-borne pathogens
 - Simple, single quarter turn operation
 - Integral non-return valves to prevent backflow
 - Corrosion resistant DZR brass body
 - Suitable for 22mm and 15mm pipework
 - Compliant with water regulations and by-laws
 - WRAS approved


AC17-080	208.0606.554	Thermal disinfection valve
AC17-047	201.0000.161	Thermostatic mixing valve




Reduces risk of pathogens



Compliant with regulations

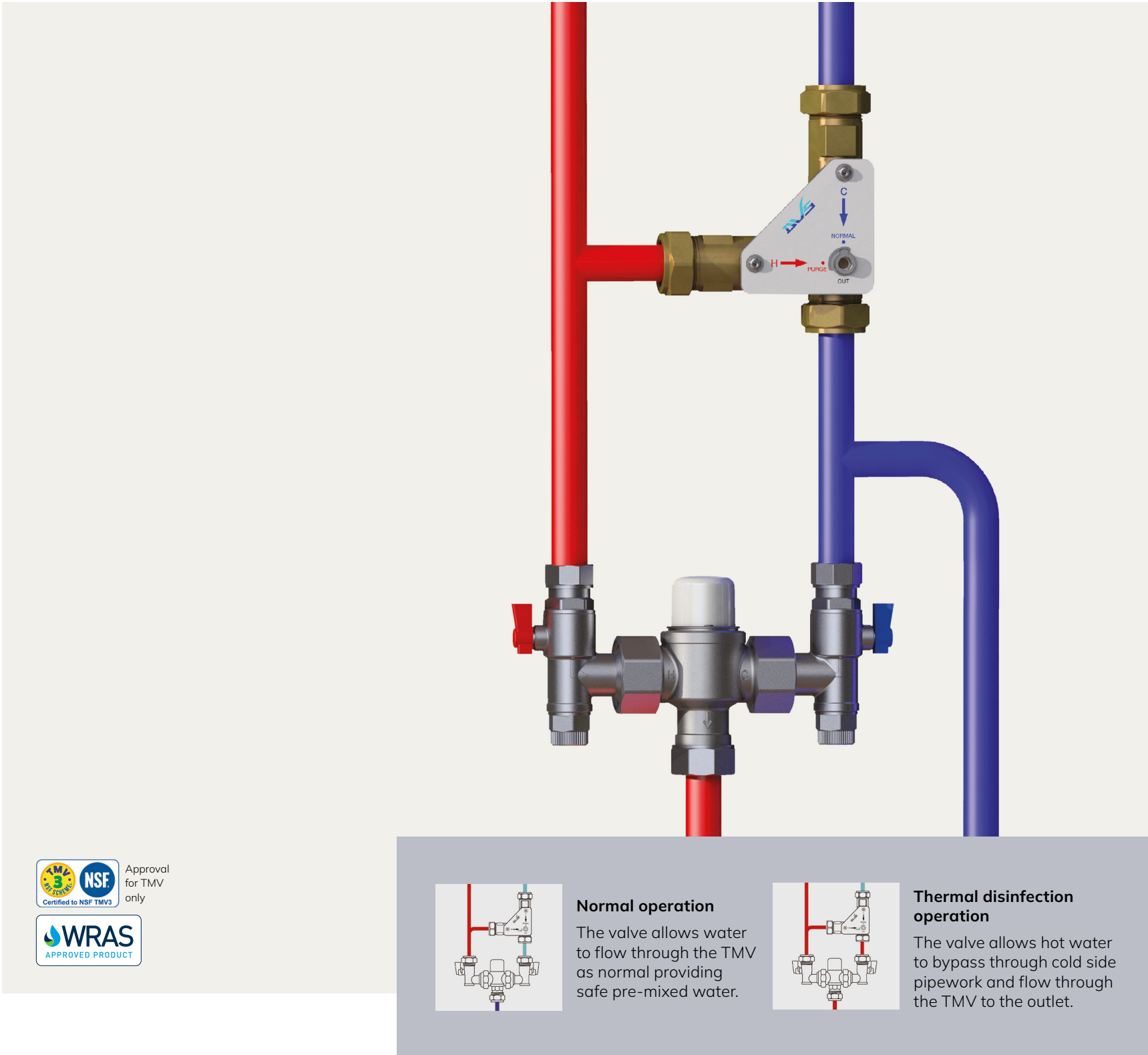


Robust material



Easy system maintenance

*If installed and maintained to the manufactures instructions



INFORM

Water temperature monitoring

INFORM water temperature monitoring

Monitoring assets is key to water safety in any building and there are many challenges and limitations to traditional water tempertaure monitoring. Regular site visits and temperature measurements cannot always guarantee 100% safety of water supply. Issues can arise quickly, and if they occur between monitoring sessions there will be a potentially dangerous time lag in identifying a problem.

Human error, site access issues, and manual data inputting can, and do compromise the effectiveness of conventional monitoring. Safety is of course the paramount concern, along with maintaining compliance. But the time and labour costs of conventional monitoring can also pose significant challenges to the dutyholder meeting their legal obligations.

Inform has been developed as an efficient risk management tool that continuously monitors the temperature of a water system, providing superior risk management information. The Inform system utilises Narrowband IoT Low Power Wide Area Technologies (LPWA) which provides increased building penetration and ensures excellent communication in dense urban settings and extremely remote areas.

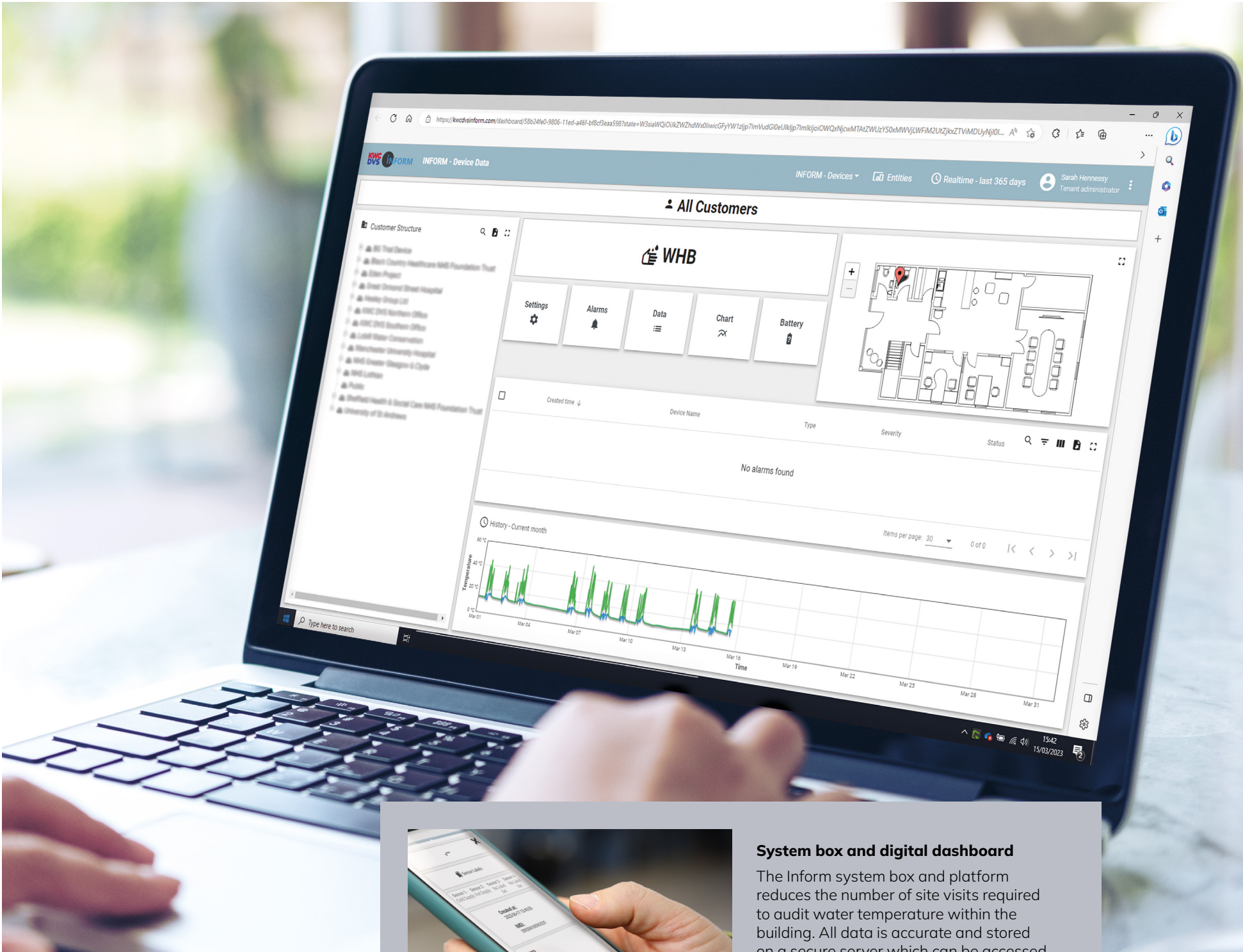
Inform sensors constantly monitor the temperature of a water system, profiling and providing data to the central management system that alerts of any potential risks. The devices are easy to install onto pipework, and the software is intuitive and designed for efficient water temperature monitoring.

Features

- Intuitive software and clear graphic displays
- Full audit trail of all events
- Designed for desktop, tablet & mobile
- Accurate reporting & documents stored in the system
- Real time data captured every 10 seconds
- Max, average, min data recorded every 15 minutes
- Complies with ACoP L8, HSG 274, HTM 04-01
- No requirement to access IT data networks
- Anti-microbial system box with easy installation*
- Long life (5 years†) replaceable batteries
- Installed complete and ready to operate*
- API integration to existing CAFM systems
- Continuous technical support service

* Inform and sensors provide easy installation in either new builds or refurbishment projects without the need to disrupt existing building structures. Installation must be carried out by a trained professional.

† Battery life is dependant on frequency of signals and settings.



System box and digital dashboard


The Inform system box and platform reduces the number of site visits required to audit water temperature within the building. All data is accurate and stored on a secure server which can be accessed anytime with your login.

JANITORIAL AND MULTI-PURPOSE


Cleaning and maintenance for any environment

Janitorial and clinical sinks


Our range of clinical sinks are manufactured from robust 1.2mm thick stainless steel with a satin polish finish. The turned down edges prevent water from dripping onto the floor and walls, keeping hygiene to a maximum. The bowl is prepared for a 38mm waste outlet and the sink top can either be mounted on wall brackets or front leg supports (sold separately). Manufactured in accordance with HBN 00-10, Part C guidance.




304 stainless steel material




HBN 00-10, Part C



Robust material



Easy to clean



5 year warranty



NON-CLINICAL SINKS

Non-clinical sinks without tap holes to be mounted on wall brackets or via front leg supports (sold separately). Manufactured from stainless steel.

G22002N	215.0000.015	SK1 Single bowl
G22004N	215.0000.017	SK2 Double bowl

DUHS HOSPITAL DISPOSAL UNIT

DUH and DUHS hospital disposal units, manufactured from stainless steel.

G22018L	207.0000.065	Left hand drainer
G22018R	207.0000.067	Right hand drainer
G22043N	207.0000.076	No drainer with grid



CLINICAL SINKS

Clinical sinks to be mounted on wall brackets or via front leg supports (sold separately). Manufactured from stainless steel.

G22006L	215.0000.022	STA 1200mm
G22010L	215.0000.023	STC 1800mm

JANITORIAL UNIT

Floor standing stainless steel janitorial unit complete with monobloc mixer tap. Manufactured in accordance with HTM 64 / HBN 00-10, Part C Standards.

G20055N	207.0000.059
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