





THE LIXIL GUIDE TO MEDICAL SANITARYWARE SOLUTIONS



2021/2022 Edition 1



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Who is LIXIL

We deliver human-centric innovation that enhances people's living spaces

LIXIL is the most comprehensive and connected global company in the housing and building industry. We provide human-centric innovations that enhance people's living spaces. From sanitary ware, bathroom fixtures and kitchen systems to a full lineup of interior and exterior materials and products for houses and major architectural projects.

LIXIL was born in 2011 through a merger of five of Japan's most successful building materials and housing companies. Since then, we have expanded internationally by acquiring some of the most trusted names in our industry, including American Standard, GROHE, and the Permasteelisa Group. We provide a comprehensive array of products and services through four major business units: LIXIL Water Technology, LIXIL Housing Technology, LIXIL Building Technology, and LIXIL Kitchen Technology, as well as Japan-based business units covering sales, distribution and retail, and housing services.

Today, we are a global enterprise with over **70,000 employees worldwide**.

LIXIL Globally

Benefitting from the Global power of LIXIL

LIXIL has a global footprint that allows us in Africa to tap into their technical expertise and leverage innovation in our markets.

Proud to be:



Global market in

products





Global Market. curtain walls













Japan market, exteriors





















Japan market, housing window sashes kitchen systems

Japan market,

Japan market. entrance doors

Japan market, unit bathrooms

Our Presence Globally





Why Choose LIXIL



1. Part of LIXIL – A global leader in our industry

- 1 billion people use our products every day
- Present in 150 countries
- Over 100 years of history

2. Leverage meaningful design and technology

- Cobra joins a global family of product brands
- 6 global in-house design centers
- The group invests billions in R&D
- 12 000 patents and design applications worldwide that we can leverage from



3. In country back up service

• Cobra has an award-winning full time in-country service team that can assist with technical support, training and warranty claims



4. Source from international in-group manufacturing plants

- 1 billion people use our products every day
- Present in 150 countries
- Over 100 years of history



5. Strong brand recognition

- Cobra is a well-known brand in Africa and is renowned for its top quality products
- Cobra has launched new positioning to appeal to modern customer base in Africa
- Cobra launched a full advertising campaign to drive awareness and increase sales
- Cobra has created tools that will add value to all target markets and help drive sales



6. Trusted Products

- Cobra products are known for quality and reliability
- Many SKU's meet SABS and other standards making them fit for purpose



GROHE





GROHE is a leading global brand for complete bathroom and kitchen solutions. GROHE has been part of the LIXIL Group Corporation since 2014. As an international brand, GROHE pursues the brand values of technology, quality, design and sustainability, seeking to offer the "Pure joy of water".

GROHE has been developing new product categories since its inception, constantly innovating in the market of smart home technology. Innovation, design and development are closely aligned with one another and are enshrined in the German site as an integrated process. As a result, GROHE products carry the seal of quality "Made in Germany".

In the last ten years alone, GROHE has received over 300 design and innovation awards as well as several top rankings as one of "Germany's most sustainable large brands", confirming the success of the brand. GROHE was the first in its industry to win the German government's CSR prize and was also featured in the renowned Fortune[®] magazine's ranking of Top 50 that are "Changing the World".





EcoJov™



SilkMove® ES





StarLight®





COBRA



For over half of a century, Cobra has provided sanitaryware products that make your everyday moments just that little bit better. Its wide range of bathroom and kitchen fittings are beautifully designed, flawlessly functional and made according to the highest international standards.



Save precious resources with water-saving technology.



Developed for African conditions that ensures product longevity against the presence of lead and nickel.



Trained and dedicated service teams are in place to provide support pre and post installation



Genuine spare parts are readily available.



VAAL



Vaal Sanitaryware has been a go-to brand among homeowners and contractors for decades and has been in the ceramic sanitaryware business since 1946. Since then, the brand has evolved thanks to its commitment to improvement through quality, human-centered design, reliability and affordability.

Known for its timeless quality, durability, comfort and aesthetic appeal, Vaal is the brand of choice for the most discerning consumers.

Vaal's range of basins and toilets extends beyond domestic use and includes a range of project-specific items.











Water Saving features.

Suitable replacements available when required.

Company with SABS certification.

After Sales



Technical assistance for specifiers & plumbers.



Compatible with most accessories and locally produced taps and fittings





Purpose for the Medical Brochure

For over 70 years Lixil has invested in design and production of fit for purpose sanitary ware and brassware that suits the healthcare environment. Our commitment to product development and belief in sustainable design whose scope, style and technical performance is unlimited.

Lixil healthcare solutions are a particular specialty of ours, working closely with government agencies, private healthcare groups, architects, and contractors, we have been on the forefront of sanitary and brassware product development for almost 30 years.

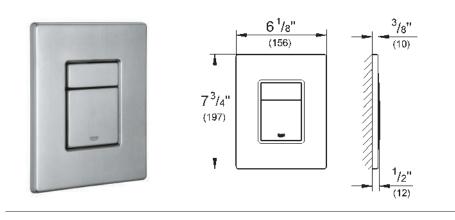
In recent years, the relevance and importance of touch surfaces in ablution and clinical bathrooms with the patient care and safety being top of mind. With the onset of Covid-19 and other pathogens/bacteria like legionella and pseudomonas aeruginosa, patient safety, healthcare and clinical safety of medical staff has become critical to preserve.

It is therefore no surprise that Lixil has adopted this challenge by offering sanitary and brassware to assist in safety of all that call healthcare their home or use a healthcare facility to become physically better.

Together with mechanical taps and mixers that are of elbow action type to electronic no touch brassware, Lixil strives to continuously evolve to better healthcare and its facilities for now and into the future.

This medical handbook is a glimpse into what can be achieved to minimize risk of patients and staff in bathroom and ablution throughout a hospital/clinic. These products can be changed within our scope of selection portfolio, but for the most part are products that will eradicate the need for touching a surface and then rubbing eyes, nose and mouth and eventually get sick.

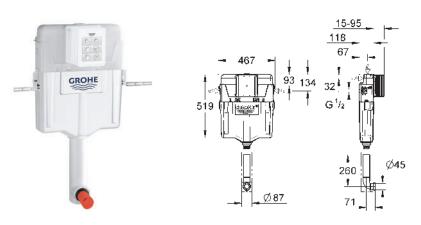




GROHE FLUSH PLATE

Skate Cosmopolitan Dual flush vertical actuation stainless steel For dual flush or start & stop actuation. For pneumatic drop valve AV1. For vertical installation. Plastic fixing frame. Hidden fixing screws. Not suitable for GROHE Fresh. GROHE StarLight finish. GROHE EcoJoy technology for less water and perfect flow.

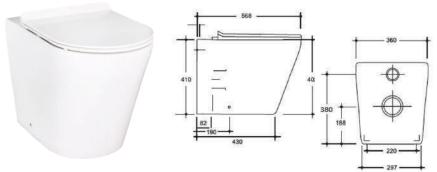
Product Code: 38 732 SD0



GROHE CISTERN

6 - 9 I adjustable adjustment ex factory 6 I and 3 I pneumatic discharge valve offering 3 modes of operation: dual flush or start/stop or single flush water supply from left/right/back or top low noise (group I acc. to German Noise Specification) insulated against condensation 1/2" water supply connection including integrated angle valve and push fit flexible hose union no tools required for the installation of the inspection shaft including protection during construction phase for vertical or horizontal use flush pipe insulated against condensation fixing brackets without flush plate/actuation GROHE EcoJoy technology for less water and perfect flow for mounting of small flush plates please order revision shaft 40 911 000 (sold separately)

Product Code: 38 661 000



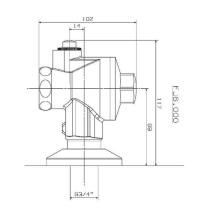
VAAL ENTICE BACK TO WALL PAN

Entice Back to wall back inlet rimless pan and thermoset soft close seat. Compatible with concealed cistern , duct cistern or concealed flush valve. Finish - Vitreous China Features & Benefits:

- 1. Low volume flush as the pan flushes effectively on 4.5 liter's of water (set in conjunction with GROHE Cistern)
- 2. Easy to clean as the rim is entirely exposed
- 3. Bacteria resistant as there is no place for germs to hide

Product Code: 431300WH





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COBRA FLUSH VALVE

Exposed. Non-hold open feature. With 'Ball O Stop control inlet, wall flange, additional screw and piston for large bowl and stall urinals. 3/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 30 - 500kPa: Maximum system pressure 600kPa.

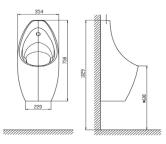
Product Code: FJ6-000/N

COBRA FLUSH PIPE

Offset urinal flush pipe, 215mm long x 15mm outlet with 27mm offset, chrome. For Junior Flushmaster urinal flush, including inlet adaptor for urinal flush valves.

Product Code: FJT5-5/N





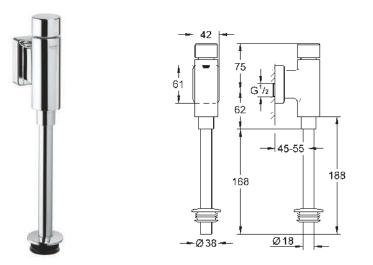


COBRA SNUG URINAL

Anti-splash flushing design with an efficient 1.9L flush.

Top & back entry installation Compact concealed trap. Suitable for commercial use. Compatible with Flushmaster & flush pipe, and exposed & concealed flush valves. Supplied with installation brackets, spreader, mounting template, waste & P Trap.

Product Code: 705600WH

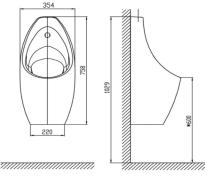


GROHE RONDO FLUSH VALVE

1/2 brass integrated stop valve GROHE StarLight chrome finish with control cap and flush pipe connection flow rate adjustment flush volume adjustable 1.0 - 4.0 l with wall escutcheon flush pipe 200 mm rubber connector with escutcheon flow pressure min 0.5 bar operating pressure max 5 bar.

Product Code: 37 339 000





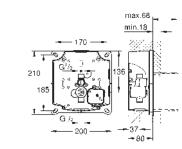
COBRA SNUG URINAL

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Top & Back entry entry installation Compact concealed trap. Suitable for commercial use. Compatible with Flushmaster & flush pipe, and exposed & concealed flush valves. Supplied with installation brackets, spreader, mounting template, waste & P Trap.

Product Code: 705600WH





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GROHE ROUGH-IN SET

Roughinin set for urinal for manual actuation or Tectron infra-red electronic 6 V or 230 V water group with stop valve flow pressure min 0.5 bar operating pressure max 10 bar flush aid functional unit checked ex factory water supply connections 1/2" outer thread connecting box for mains supply installation box with gasket fixing points for dry cladding and masonry-in shortable inspection shaft incl. protection.

Product Code: 37 338 000

GROHE PLATE OPTION 1

Nova Cosmopolitan actuation chrome Manual activation for urinal. Compatible with Rapido U or Rapido UMB. 116 x 144 mm. Mechanical functional cartridge. Flow pressure min 0.5 bar. Operating pressure max 6 bar. 1.0 - 6.0 adjustable. GROHE StarLight chrome finish.

Product Code: 38 804 000

GROHE PLATE OPTION 2

Tectron Skate Electronic actuation chrome With infrared sensor for bi-directional communication for monitoring, configuration and servicing. With transformer 100-230 V AC, 50-60 Hz, 6 V DC. Cartridge with solenoid valve and dirt strainer. Front plate 116 x 144 mm. Flow pressure min 0.5 bar. Operating pressure max 10 bar. 7 pre-set programs: auto flush; cleaning mode; pre-flush on/off. Additional functions and precise settings by remote control 36 407. Adjustable flow time by hand or remote. Compatible with Rapido U. CE approved.

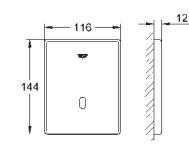
Product Code: 37 321 SD1

COBRA PAUSE URINAL

Eco design to accommodate a water saving 0.9L flush. Compact concealed trap. Suitable for commercial use. Back entry only. Supplied with installation brackets, spreader, mounting template, waste & P trap.

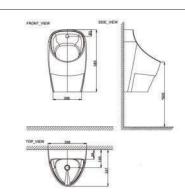
Product Code: 705500WH





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VAAL CONCORDE SLIMLINE

Vaal Sanitaryware vitreous china 560 x 390 mm "Concorde Slimline" rectangular self-rimming drop-in basin with integrated overflow. No provision for tapholes.

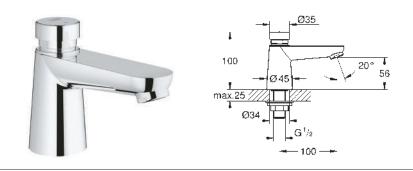
Product Code: 704700WH

INSTALLATION

When mounted into a bathroom cabinet or vanity slab, ensure that the surface is level and secured firmly against the wall. Apply a liberal layer of silicone sealant or equivalent between the contact area of the surface and basin self-rimming surface. Place the basin into position and wipe off excess sealant and allow to dry.

SPECIAL RECOMMENDATION

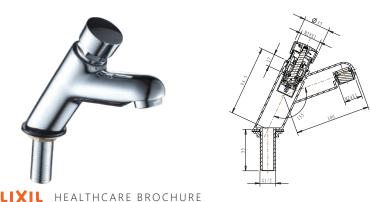
Always use silicone sealant or equivalent around basin edges for a secure and neat installation. Wipe off excess sealant and allow to dry.



GROHE METERED TAP OPTION 1

Euroeco Cosmopolitan Deck mount, self-closing pillar tap. Marking: blue/red. GROHE StarLight chrome finish. 3 Adjustable flow times: short - medium - long (factory setting: short), approx. 7, 15, 30 sec (pressure dependent).

Product Code: 36 265 000



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COBRA METERED TAP OPTION 2

Metering pillar tap Non hold open, self closing. 1/2"BSP male iron connection end.

Technical Details: Flow cycle 1-20 seconds

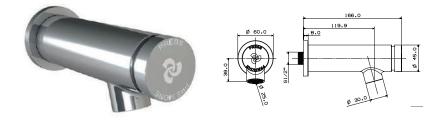
Product Code: KM2-100FS/N



GROHE METERING SPOUT

Euroeco Cosmopolitan self-closing pillar tap wall mounted. Marking: blue/red. GROHE StarLight chrome finish. GROHE EcoJoy technology for less water and perfect flow. 5.7 l/min flow rate. 3 Adjustable flow times: short - medium - long (factory setting: short), approx. 7, 15, 30 sec (pressure dependent).

Product Code: 36 266 000



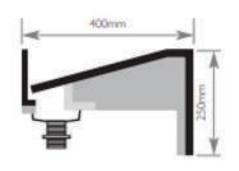
COBRA METERING SPOUT

Wall type. Non hold open, self closing. With wall flange and flow controller. 1/2"BSP male iron connection end.

Technical Details: Flow cycle 1-20 seconds

Product Code: KM066WT-114/N





HEALTHCARE BROCHURE LIXIL 17

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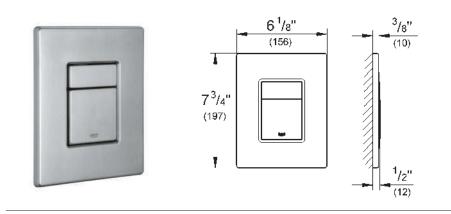


VAAL ENTICE CLOSE COUPLE SUITE

Entice rimless cc suite, close coupled 90deg outlet rimless wash down pan and matching 6 litre top dual flush cistern. Soft close seat.

Product Code: 772669WH

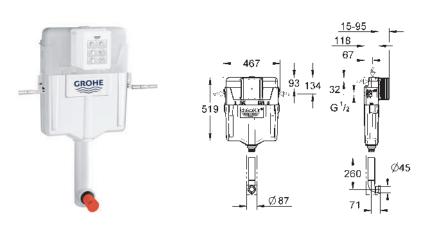
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GROHE FLUSH PLATE

Skate Cosmopolitan Dual flush vertical actuation stainless steel For dual flush or start & stop actuation. For pneumatic drop valve AV1. For vertical installation. Plastic fixing frame. Hidden fixing screws. Not suitable for GROHE Fresh. GROHE StarLight finish. GROHE EcoJoy technology for less water and perfect flow.

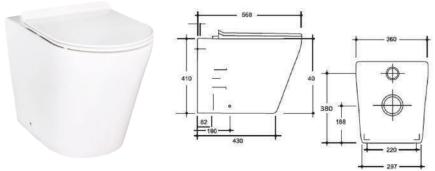
Product Code: 38 732 SD0



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Product Code: 38 661 000



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- 1. Low volume flush as the pan flushes effectively on 4.5 liter's of water (set in conjunction with GROHE Cistern)
- 2. Easy to clean as the rim is entirely exposed
- 3. Bacteria resistant as there is no place for germs to hide

Product Code: 431300WH

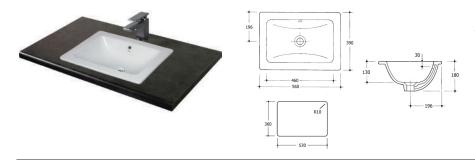


VAAL BASIN COUNTER TOP

Vaal Sanitaryware vitreous china 570 x 455mm "Weaver" rectangular surface mounted tap vanity basin with either one taphole (code 704201) or no hole (code 702500). Available in white only.

Product Code: 704201WH

WHB COMBINATIONS TYPE 2 – DROP IN BASIN



VAAL CONCORDE SLIMLINE

Vaal Sanitaryware vitreous china 560 x 390 mm "Concorde Slimline" rectangular self-rimming drop-in basin with integrated overflow. No provision for tapholes.

Product Code: 704700WH

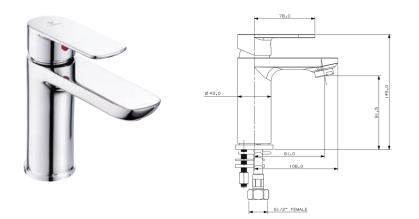
WHB COMBINATIONS TYPE 3 -SEMI RECESSED BASIN WITH SINGLE LEVER BASIN MIXER



VAAL AZALEA 540 SEMI RECESSED BASIN

Vaal Sanitaryware vitreous china 540 x 450 x 165mm "Azalea 540" semi-recessed basin with one taphole and integrated overflow. Available in white only.

Product Code: 705700WH



COBRA SEINE

Seine single lever standard basin mixer. Pillar type with single hole. Manufactured with dezincification resistant (DZR) brass. SANS compliant chrome plated finish (nickel plating = 12.0μ m; chrome plating = 0.3μ m). 15mm flexi-connection ends. 35mm ceramic disc cartridge. Fitted with Neoperl aerator with a flow rate = 7 litres/min at 0.3MPa. Carries a 10 year warranty.

Product Code: 5819CH

WHB COMBINATION: DOUBLE HANDLE SPOUT TYPE BASIN MIXER

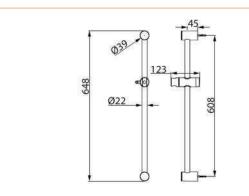


COBRA ROMA

Roma basin mixer standard chrome plated.

Product Code: EX5003CH/N

SHOWER COMBINATION 1: UNIVERSAL ACCESS



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COBRA PAUSE SHOWER RAIL ROUND

Dimensions: 22mm Tube Length: 600mm Easy Slider Quick Installation Stainless Steel.

Product Code: 002PAUSE

GROHE HAND SHOWER

Hand Shower Rain GROHE EcoJoy 5.7 I/min flow limiterGROHE EcoJoy technology for less water and perfect flow GROHE DreamSpray perfect spray pattern GROHE StarLight chrome finish SpeedClean anti-lime systemInner WaterGuide for a longer life ShockProof silicone ring prevents damages caused by shower fallingsuitable for instantaneous heateruniversal mounting system, fitting all standard shower hosesmin. recommended pressure 1.0 bar5 color packaging"

Product Code: 27 940 000

GROHE WALL OUTLET

Shower connection 1/2"" wall connection 1/2"" male thread. GROHE Star-Light chrome finish with matt chrome cap.

Product Code: 28 626 000

GROHE SHOWER HOSE

1500 mm smooth surface for easy cleaning tensile strength 500 N pressure resistance up to 5 bar heat resistance 70°CAntiFold bend proof universal connection G 1/2"" x 1/2""rotation cone for Twist free-function GROHE Star-Light chrome finish blister packaging"

Product Code: 28 364 000









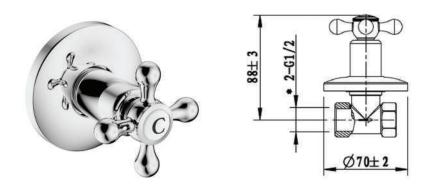


TAP/MIXER OPTION 1

COBRA SEINE CONCEALED SHOWER MIXER

Seine single lever concealed shower or bath mixer. Trim set & underwall body included. Underwall body manufactured with dezincification resistant (DZR) brass. SANS compliant chrome plated finish (nickel plating = 12.0μ m; chrome plating = 0.3μ m). 15mm female connection ends. Carries a 10 year warranty.

Product Code: 5800CH



TAP/MIXER OPTION 2

COBRA ROMA SHOWER STOP TAPS

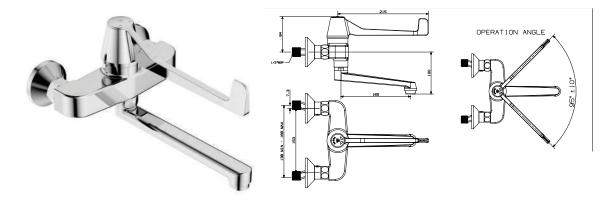
Roma undertile stop tap, 15mm, chrome. FxF (also available in CxC). *2 Per shower are required.

Product Code: AEX5005CH/N

CLINICAL WASH HAND BASIN SPECIFICATION

R



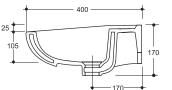


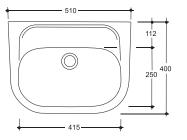
COBRA SINGLE LEVER MEDICAL MIXER

- FLOW RATE @ 300KpA 5.7Litres per minute.
- Bult in Flow regulators for Hot & Cold inlets.
- Manufactured from DZR Brass and Chrome plated.

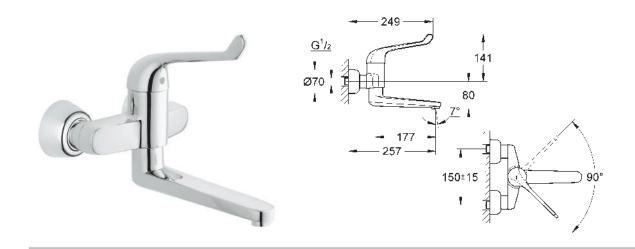
Product Code: 507/N







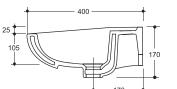
- White glazed fire clay vitreous china
- No chain-stay , overflow or Pre punched Tap holes
- 145mm Deep with waste positioned to prevent direct water drainage

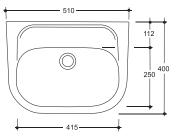


GROHE MEDICAL MIXER

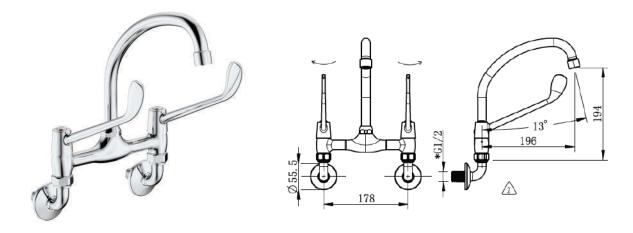
- Flow rate @ 400KpA approximately 6-9 Liter's per minute
- Flow restrictor can be used to reduce to various LPM needs
- For IPC Hand Wash Basin requirements

Product Code: 32 793 000





- White glazed fire clay vitreous china
- No chain-stay , overflow or Pre punched Tap holes
 145mm Deep with waste positioned to prevent direct water drainage

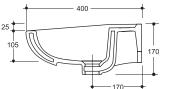


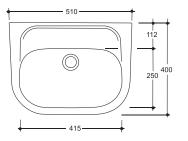
COBRA DOUBLE LEVER SWIVEL SPOUT MEDICAL MIXER

- Flow rate @ 400kPa 6lt per minute
- Manufactured from DZR Brass and Chrome plated
- SANS 226 Type 1 Jaswic accepted

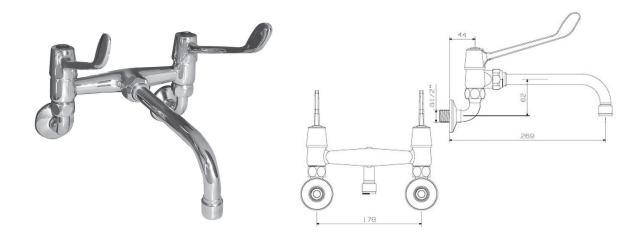
Product Code: 515/055-21/N







- White glazed fire clay vitreous china
- No chain-stay , overflow or Pre punched Tap holes
- 145mm Deep with waste positioned to prevent direct water drainage

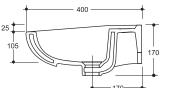


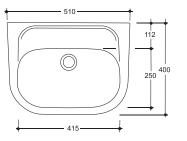
COBRA DOUBLE LEVER FIXED SPOUT MEDICAL MIXER

- Flow rate @ 400kPa 6lt per minute
- Manufactured from DZR Brass and Chrome plated
- SANS 226 Type 1 Jaswic accepted
- Recommended for IPC Hand Wash Basin requirements

Product Code: 510-21/N



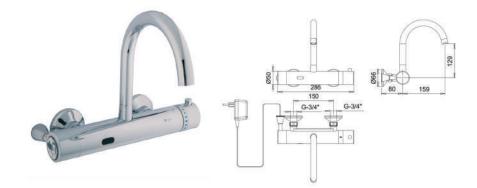




- White glazed fire clay vitreous china
- No chain-stay, overflow or Pre punched Tap holes
- 145mm Deep with waste positioned to prevent direct water drainage

SCRUB SINK TAPWARE AT THEATRES

OPTION 1 – OVER SPOUT WITH ELBOW AND TOUCH FREE OPTIONS



COBRA ELECTRONIC MIXER

Thermostatic wall mounted, touch-free, overarm electronic mixer.

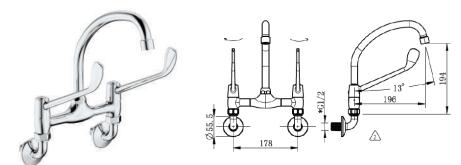
Medical series, water saving options 6 LPM 1.58 GPM SSR PCA Stream 4 LPM 1 GPM PCA Spray 3 LPM 0.8 GPM PCA Spray 1.89 LPM 0.5 GPM PCA Spray 1.3 LPM 0.35 GPM PCA Spray 50 150 3/4" 3/4" Ø13

Electronic wall mounted mixer operated by IR sensor. Features an integrated thermostatic mixer to prevent scalding operation and temperature control.

Advantages:

- Drastically reduces water consumption
- No physical contact. Helps to protect users against cross contamination
- Thermostatic control for optimum temperature
- Ideal for healthcare institutions
- Chrome plated brass body with metallic thermostatic handle
- Ideal for retrofit installations
- · Sensor settings adjustable by remote control
- Internal solenoid valve
- Easy installation

Product Code: EL-508OVER



COBRA DOUBLE LEVER SWIVEL SPOUT MEDICAL MIXER

- Flow rate @ 400kPa 6lt per minute
- Manufactured from DZR Brass and Chrome plated
- SANS 226 Type 1 Jaswic accepted

Product Code: 515/055-21/N

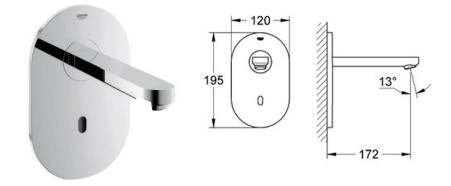
AREAS OF USAGE

• SURGICAL SCRUB PREP ROOMS



TAKING INTO ACCOUNT THAT SURGEONS NEED TO SANITIZE & SCRUB FROM ELBOW TO TIP OF FINGER, IT IS RECOMMENDED THAT THE HEIGHT OF THE TAP/MIXER AERATOR AND HANDLE OPERATION (IF ELBOW OPTION IS USED) BE CAREFULLY CONSIDERED AND INSTALLED IN CONJUNCTION WITH THE MEDICAL HEALTH AUTHORITIES AND MANUFACTURERS GUIDELINES

OPTION 1 – ELECTRONIC TOUCH FREE SPOUT



GROHE SENSOR ACTIVATED SPOUT

Grohe Euroeco Infra-red electronic wall basin tap without mixing device with infrared sensor for bi-directional communication for monitoring, configuration and servicing for cold or premixed water with transformer 100-230 V AC, 50-60 Hz, 6 V DC.

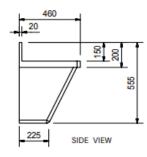
GROHE StarLight finish GROHE EcoJoy technology for less water and perfect flow GROHE EcoJoy mousseur 5.7 l/min chrome escutcheon chrome spout projection 172 mm 7 pre-set programs: auto flush thermal disinfection cleaning mode additional functions and precise settings by remote control 36 407 set for final installation for concealed fitting box 36 336 001/36 337 001 CE approved noise classification I in accordance with DIN 4109 min. recommended pressure 1.0 bar.

Product Code: 36 273 000

AREAS OF USAGE

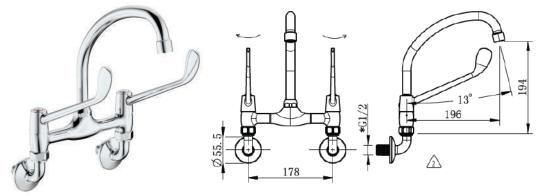
SURGICAL SCRUB PREP ROOMS





TAKING INTO ACCOUNT THAT SURGEONS NEED TO SANITIZE & SCRUB FROM ELBOW TO TIP OF FINGER, IT IS RECOMMENDED THAT THE HEIGHT OF THE TAP/MIXER AERATOR AND HANDLE OPERATION (IF ELBOW OPTION IS USED) BE CAREFULLY CONSIDERED AND INSTALLED IN CONJUNCTION WITH THE MEDICAL HEALTH AUTHORITIES AND MANUFACTURERS GUIDELINES

OPTION 2 – ELBOW ACTION MIXER



COBRA DOUBLE LEVER SWIVEL SPOUT MEDICAL MIXER

- Flow rate @ 400kPa 6lt per minute
- Manufactured from DZR Brass and Chrome plated
- SANS 226 Type 1 Jaswic accepted

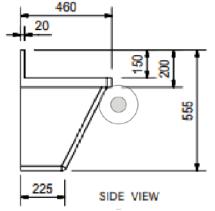
Product Code: 515/055-21/N

AREAS OF USAGE

• SURGICAL SCRUB PREP ROOMS

TAKING INTO ACCOUNT THAT SURGEONS NEED TO SANITIZE & SCRUB FROM ELBOW TO TIP OF FINGER, IT IS RECCOMENDED THAT THE HEIGHT OF THE TAP/MIXER AERATOR AND HANDLE OPERATION (IF ELBOW OPTION IS USED) BE CAREFULLY CONSIDERED AND INSTALLED IN CONJUNCTION WITH THE MEDICAL HEALTH AUTHORITIES AND MANUFACTURERS GUIDELINES

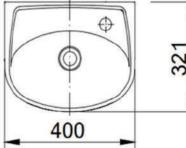




UNIVERSAL ACCESS BATHROOM

TEE

-



COBRA WELCOME WALL MOUNTED BASIN

Cobra Welcome Small round wall hung basin. 400mm long X 320mm wide. 1 X pre-punched tap hole on the right-hand side of the basin. Wall fixing set & installation manual included. Compatible with Cobra standard-sized basin mixers. Finish: Vitreous china with glossy white glaze.

Features & benefits:

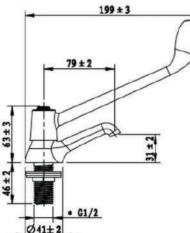
Manufactured with significantly cleaner raw materials than those used for your average ceramic products, resulting in an aesthetically pleasing, brighter white appearance.

The glazing processes and materials used on this product ensure an appealing glossy finish which is also simple to clean.

Required installation fittings and components as well as instruction manuals are sold with this product, ensuring product installation is quick and stress-free.

Product Code: 709000WH

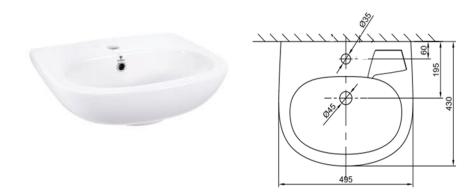




COBRA TYPE 503-21B/N MEDICAL BASIN TAP WITH EXTENDED ELBOW

Elbow action. With 1/4 turn ceramic disc head part, flanged back-nut and blue indice for cold water application. 1/2"BSP male iron connection end.

Product Code: 503-21B/N

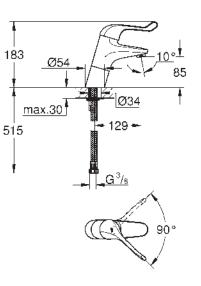


COBRA SHELTER WALL MOUNTED BASIN

Round wall hung basin. 495mm long X 430mm wide. 1 X punched tap hole in the centre splash back of basin. Overflow, expansion bolts & installation manual included. Vitreous china with glossy white glaze.

Product Code: 709300WH





GROHE TYPE MEDICAL BASIN MIXER WITH EXTENDED ELBOW

Euroeco Special single-lever safety mixer, high.Monobloc installation. Smooth body. High version. GROHE StarLight chrome finish. GROHE EcoJoy technology for less water and perfect flow. Ceramic cartridge. Adjustable flow rate limiter. Adjustable temperature limiter. Adjustable minimum flow rate 6 l/min. Laminar flow straightener 9 l/min. Metal lever. Lever length 120 mm. Rapid installation system. Flexible connection hoses.

Product Code: 32 790 000

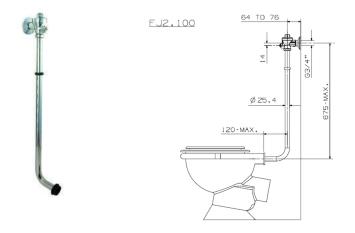


COBRA WELCOME TOILET PAN WALL HUNG

Cobra Welcome wall hung toilet pan only. Dual flush capability with 4L and 6L flush available. Box rim. Installation manual included. Compatible with Cobra Welcome seat for wall hung toilet pan [C-WHSEAT/WEL]. Also compatible with concealed cisterns specifically designed for wall hung toilet pans.To be used with floor bracket code: **8082Z000/N.**

Product Code: 439800WH





FLUSHING MECHANISM OPTIONS

COBRA JUNIOR FLUSH-MASTER (HIGH PRESSURE)

Exposed back entry. Non-hold open feature. With wall flange, integral vacuum breaker, and 'Ball O Stop" control inlet. Bent flush-pipe with Rubber pan connector and seat buffer, 3/4"BSP female iron connection end.

Recommended optimum design pressure: inlet flow pressure 150-500kPa for back entry WC pans. Recommended optimum design pressures: inlet flow pressure 150. 500kPa for back entry WC pans: Maximum system pressure 600kPa.

Product Code: FJ2-100/N

Additional product: C-KM9-10/N Additional product: C-KM9-12/19/N







INSTALLATION INSTRUCTIONS

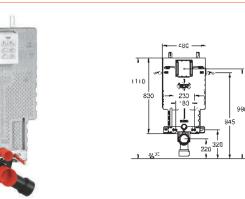
- 1. The Minimum distance from the wall to the front of the pan is 690mm Extend wall behind pan by 140 mm, and 550 mm above finished floor surface. SANS 10252.Part S
- 2. Determine pan height, prepare water inlet and outlet heights, and adjust threaded rods to height of pan fixing holes. Detailed installation instructions supplied with the bracket.
- 3. Fit floor bracket into recessed wall and floor, then complete brickwork.
- 4. Place pan into position, tighten nuts and place c.p. dome cover over nuts.
- 5. Complete plumbing and flush the water line.



INSTALLATION INSTRUCTIONS

- 1. The Minimum distance from the wall to the front of the pan is 690mm Extend wall behind pan by 140 mm, and 490 mm above finished floor surface.
- 2. Determine pan height, prepare water inlet and outlet heights, and adjust threaded rods to height of pan fixing holes. Detailed installation instructions supplied with the bracket.
- 3. Fit floor bracket into recessed wall and floor, then complete brickwork.
- 4. Place pan into position, tighten nuts and place c.p. dome cover over nuts.
- 5. Complete plumbing and flush the water line.

WC COMBINATIONS TYPE 2 – UNIVERSAL ACCESS WITH CONCEALED FLUSH VALVE & OFFSET PUSH BUTTON



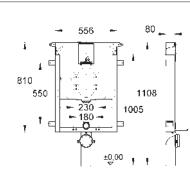
GROHE FLUSHING MECHANISM OPTIONS

1. UNISET CONCEALED CISTERN – 130MM THICK.

Supplied complete with fittings. Uses either Vertical or Horizontal Actuator Plate. This applies to all Wall Hung Pans. Installed into 230mm or double brick walls.

Product Code: 38 643 001





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2. UNISET CONCEALED CISTERN – 80MM THICK.

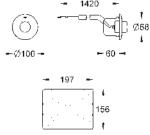
Uniset Concealed Cistern – 80mm thick. Uses Vertical Actuator Plate only. This applies to all Wall Hung Pans.

Product Code: 38 729 000

Add 42 242 000 adaptor to the above cistern for 90-110mm conversion.



- 1420 197 156



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3. PNEUMATIC ACTUATION SINGLE FLUSH FOR BOTH 80 & **130MM CISTERNS.**

Blanking plate fits over actuator face. 100mm round escutcheon with proud push button can be mounted within 1420mm of the cistern connection, making it paraplegic friendly.

Product Code: 37 059 000

4. FLUSH PIPE EXTENSION.

300mm extension pipe for toilet flush pipe extended to make provision for the extra 115mm skin wall to be built.

Product Code: 37 105 K00

STAFF CHANGE ROOMS

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COBRA WELCOME TOILET

Welcome Ceramic Close coupled toilet suite. Top, dual flush capability with 3L and 6L flush available. Box rim. Package includes cistern and cistern fittings, pan, seat and cover, connector and installation manual. Cistern manufactured with left hand side inlet hole only as per European standard.

Product Code: 772664WH

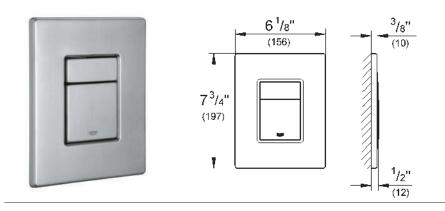
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GROHE FLUSH PLATE

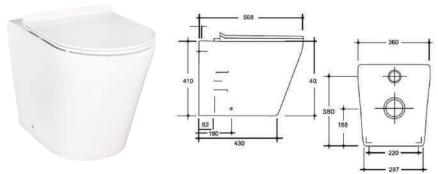
Skate Cosmopolitan Dual flush vertical actuation stainless steel For dual flush or start & stop actuation. For pneumatic drop valve AV1. For vertical installation. Plastic fixing frame. Hidden fixing screws. Not suitable for GROHE Fresh. GROHE StarLight finish. GROHE EcoJoy technology for less water and perfect flow.

Product Code: 38 732 SD0

GROHE CISTERN

6 - 9 I adjustable adjustment ex factory 6 I and 3 I pneumatic discharge valve offering 3 modes of operation: dual flush or start/stop or single flush water supply from left/right/back or top low noise (group I acc. to German Noise Specification) insulated against condensation 1/2" water supply connection including integrated angle valve and push fit flexible hose union no tools required for the installation of the inspection shaft including protection during construction phase for vertical or horizontal use flush pipe insulated against condensation fixing brackets without flush plate/actuation GROHE EcoJoy technology for less water and perfect flow for mounting of small flush plates please order revision shaft 40 911 000 (sold separately)

Product Code: 38 661 000



VAAL ENTICE BACK TO WALL PAN

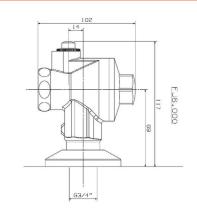
Entice Back to wall back inlet rimless pan and thermoset soft close seat. Compatible with concealed cistern , duct cistern or concealed flush valve. Finish - Vitreous China Features & Benefits:

- 1. Low volume flush as the pan flushes effectively on 4.5 liter's of water (set in conjunction with GROHE Cistern)
- 2. Easy to clean as the rim is entirely exposed
- 3. Bacteria resistant as there is no place for germs to hide

Product Code: 431300WH

GROHE





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COBRA FLUSH VALVE

Exposed. Non-hold open feature. With 'Ball O Stop control inlet, wall flange, additional screw and piston for large bowl and stall urinals. 3/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 30 - 500kPa: Maximum system pressure 600kPa.

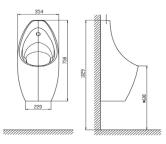
Product Code: FJ6-000/N

COBRA FLUSH PIPE

Offset urinal flush pipe, 215mm long x 15mm outlet with 27mm offset, chrome. For Junior Flushmaster urinal flush, including inlet adaptor for urinal flush valves.

Product Code: FJT5-5/N





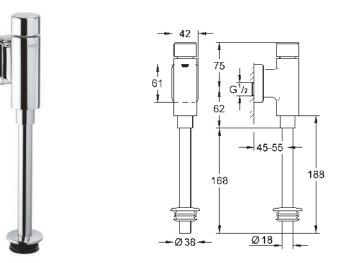


COBRA SNUG URINAL

Anti-splash flushing design with an efficient 1.9L flush.

Top & Back entry installation Compact concealed trap. Suitable for commercial use. Supplied with Installation brackets, spreader, mounting template, waste & P trap. Compatible with Flushmaster & flush pipe, and exposed & concealed flush valves.

Product Code: 705600WH

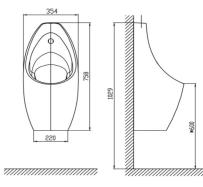


GROHE RONDO FLUSH VALVE

1/2 brass integrated stop valve GROHE StarLight chrome finish with control cap and flush pipe connection flow rate adjustment flush volume adjustable 1.0 - 4.0 l with wall escutcheon flush pipe 200 mm rubber connector with escutcheon flow pressure min 0.5 bar operating pressure max 5 bar.

Product Code: 37 390 000





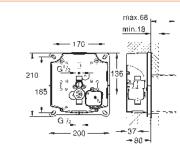
COBRA SNUG URINAL

Anti-splash flushing design with an efficient 1.9L flush.

Top & Back entry installation Compact concealed trap. Suitable for commercial use. Supplied with Installation brackets, spreader, mounting template, waste & P trap. Compatible with Flushmaster & flush pipe, and exposed & concealed flush valves.

Product Code: 705600WH





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GROHE ROUGH-IN SET

Roughinin set for urinal for manual actuation or Tectron infra-red electronic 6 V or 230 V water group with stop valve flow pressure min 0.5 bar operating pressure max 10 bar flush aid functional unit checked ex factory water supply connections 1/2" outer thread connecting box for mains supply installation box with gasket fixing points for dry cladding and masonry-in shortable inspection shaft incl. protection.

Product Code: 37 338 000

GROHE PLATE OPTION 1

Nova Cosmopolitan actuation chrome Manual activation for urinal. Compatible with Rapido U or Rapido UMB. 116 x 144 mm. Mechanical functional cartridge. Flow pressure min 0.5 bar. Operating pressure max 6 bar. 1.0 - 6.0 adjustable. GROHE StarLight chrome finish.

Product Code: 38 804 000

GROHE PLATE OPTION 2

Tectron Skate Electronic actuation chrome With infrared sensor for bi-directional communication for monitoring, configuration and servicing. With transformer 100-230 V AC, 50-60 Hz, 6 V DC. Cartridge with solenoid valve and dirt strainer. Front plate 116 x 144 mm. Flow pressure min 0.5 bar. Operating pressure max 10 bar. 7 pre-set programs: auto flush; cleaning mode; pre-flush on/off. Additional functions and precise settings by remote control 36 407. Adjustable flow time by hand or remote. Compatible with Rapido U. CE approved.

Product Code: 37 321 SD1

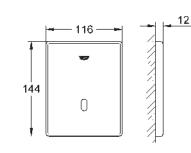
COBRA PAUSE URINAL

Eco design to accommodate a water saving 0.9L flush. Compact concealed trap. Suitable for commercial use. Back entry only. Supplied with installation brackets, spreader, mounting template, waste & P trap.

Product Code: 705500WH

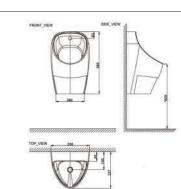
HEALTHCARE BROCHURE LIXIL 47

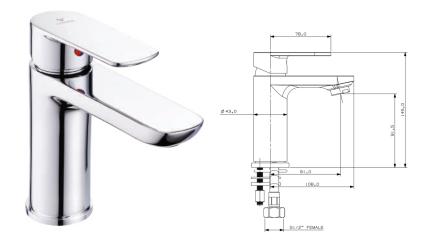




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COBRA SEINE

Seine single lever standard basin mixer. Pillar type with single hole. Manufactured with dezincification resistant (DZR) brass. SANS compliant chrome plated finish (nickel plating = 12.0μ m; chrome plating = 0.3μ m). 15mm flexi-connection ends. 35mm ceramic disc cartridge. Fitted with Neoperl aerator with a flow rate = 7 litres/min at 0.3MPa. Carries a 10 year warranty.

Product Code: 5819CH

WHB COMBINATION: DOUBLE HANDLE SPOUT TYPE BASIN MIXER

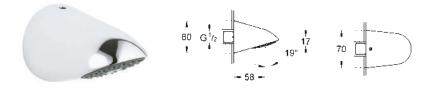


COBRA ROMA

Roma basin mixer standard chrome plated.

Product Code: EX5003CH/N

OPTION 1 - GROHE SHOWER HEAD & COBRA MIXER



G1/2" MALE

GROHE SHOWER HEAD

Vandal resistant Grohe Dreamspray and Starlight chrome coating; heavy, cast model; connection thread 1/2"; flow limiter @ 9lt/min; anti ligature with Grohe SpeedClean anti-limescale system

Product Code: 28 002 000

TAP/MIXER OPTION 1

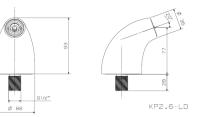
COBRA SEINE CONCEALED SHOWER MIXER

Seine single lever concealed shower or bath mixer. Trim set & underwall body included. Underwall body manufactured with dezincification resistant (DZR) brass. SANS compliant chrome plated finish (nickel plating = 12.0μ m; chrome plating = 0.3μ m). 15mm female connection ends. Carries a 10 year warranty.

Product Code: 5800CH

OPTION 2 - COBRA SHOWER HEAD & SHOWER STOP TAPS





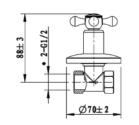
,0 MIN TO 30,0 MAX

COBRA SHOWER HEAD

Vandal resistant Cobra shower herad, single function, chrome plated. Includes 1/2" BSP male inlet, 10lt/min flow limiter, self-cleaning spray nozzle, and minimum flow pressure of 50kPa

Product Code: KP2-6/N





COBRA ROMA SHOWER STOP TAPS

Roma undertile stop tap, 15mm, chrome. FxF (also available in CxC). *2 Per shower are required.

Product Code: AEX5005CH/N



> STAFF KITCHEN & REST AREA

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COBRA CARINA SINK MIXER

Carina wall-type sink mixer, with aerated swivel outlet, chrome. Includes: 1/2" BSP male inlets, and concealed connections. SANS 226 Type 2, DZR brass, JASWIC-listed.

Product Code: 266/041/10CA/N



SEB DROP IN SINK (NOT AVAILABLE)

Stainless steel "soft edge" sink. Monoblock one-piece pressed sink, with folded edges for extra strength corner. Single End bowl sink; 900mm length by 500mm in width, and bowl depth of 166mm; integrated 90mm waste fitting and strainer basket waste plug supplied.



COBRA CARINA SINK MIXER

Carina Sink Mixer One hole with aerated swivel outlet. 1/2 BSP female connection ends. Chrome plated.

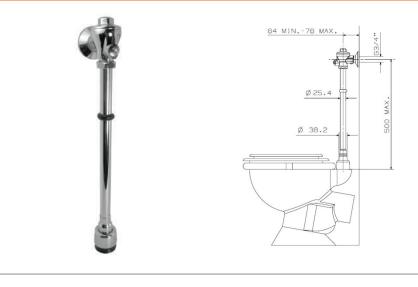
Product Code: 296CA/N



SEB DROP IN SINK (NOT AVAILABLE)

Stainless steel "soft edge" sink. Monoblock one-piece pressed sink, with folded edges for extra strength corner. Single End bowl sink; 900mm length by 500mm in width, and bowl depth of 166mm; integrated 90mm waste fitting and strainer basket waste plug supplied.

SLUICE ROOM



COBRA JUNIOR FLUSHMASTER FLUSH VALVE

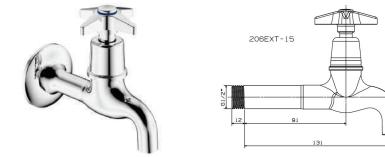
Junior Flushmaster exposed flush valve, chrome. Includes: top entry, flush pipe, compression pan connector, wall flange, rubber seat buffer, and integral vacuum breaker.

Water supply requirements: Recommended optimum design pressures:

- Inlet flow pressure: 200 500 kPa for top entry WC pans.
- At higher pressures, velocity parameters should be taken into consideration in the installation design.
- Maximum system pressure: 600 kPa.
- 65Ltrs/min peak flow rate

Please note: Chrome plate brass adaptor must be supplied in order for flush pipe to fit onto stainless steel tail pipe. Adaptor to be supplied by Stainless Steel manufacturer

Product Code: FJ2-210/N



COBRA STAR BIB TAP (2 TO BE SUPPLIED)

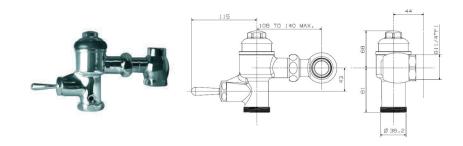
Star bib tap, chrome-plated. Includes: hot and cold indices, 1/2 BSP male inlet, extended bib tap, sliding wall flange, and flow straightener for flow aesthetics.

Product Code: 206EXT-15/N



(STAINLESS STEEL PRODUCTS NOT IN PORTFOLIO)

Slop Hopper 540x540mm manufactured from grade 304 (18/10) stainless steel 1,2mm thick with a 100mm high integral splash back to the rear and both sides. The cone must be seamless with no welding and have an integral flushing rim with a 107mm waste outlet for pan-connector, the inlet is fitted with a 38x250mm long vertical flush pipe. Unit fitted with a hinged bucket grid manufactured from 10mm diameter grade 304 (18/10) stainless steel round bar complete with two40x40mm square stainless steel wall mounting gallows brackets. Unit fixed tow all 600mm from the top of the front apron to the finish floor level.



COBRA FLUSH MASTER TOILET FLUSH VALVE

Exposed. Non-hold open feature. With wall flange, integral vacuum breaker, and control stop with integral non-return valve inlet. Adjustable control stop to valve connection 108mm t0 140mm. 1 1/4BSP female iron connection end. Recommended optimum design pressures: inlet flow pressure 30 - 300kPa for back entry WC pans: Maximum system pressure 600kPa.

Product Code: FM1-000/N



COBRA STAR BIB TAP (2 TO BE SUPPLIED)

Star bib tap, chrome-plated. Includes: hot and cold indices, 1/2 BSP male inlet, extended bib tap, sliding wall flange, and flow straightener for flow aesthetics.

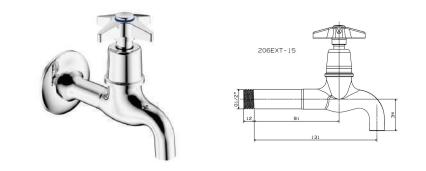
Product Code: 206EXT-15/N



(STAINLESS STEEL PRODUCTS NOT IN PORTFOLIO)

Slop Hopper 540x540mm manufactured from grade 304 (18/10) stainless steel 1,2mm thick with a 100mm high integral splash back to the rear and both sides. The cone must be seamless with no welding and have an integral flushing rim with a 107mm waste outlet for pan-connector, the inlet is fitted with a 38x250mm long vertical flush pipe. Unit fitted with a hinged bucket grid manufactured from 10mm diameter grade 304 (18/10) stainless steel round bar complete with two40x40mm square stainless steel wall mounting gallows brackets. Unit fixed tow all 600mm from the top of the front apron to the finish floor level.

UTILITY MOP CLEANERS SINK COMBINATION



COBRA STAR BIB TAP (2 TO BE SUPPLIED)

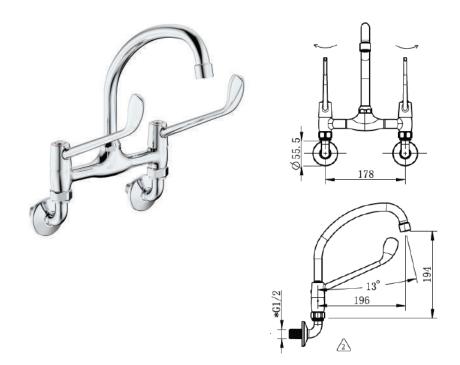
Star bib tap, chrome-plated. Includes: hot and cold indices, 1/2 BSP male inlet, extended bib tap, sliding wall flange, and flow straightener for flow aesthetics.

Product Code: 206EXT-15/N



(STAINLESS STEEL PRODUCTS NOT IN PORTFOLIO)

Stainless steel Utility cleaning products are generally preferred in the back of room areas as Trolleys are moved more frequently back and forth in the Utility sections and history has shown that the Steel basin last longer under such condition's



COBRA MEDICAL BASIN MIXER WITH EXTENDED ELBOW ACTION HANDLE'S

Wall type, elbow action. With 1/4 turn ceramic disc head parts, bent inlet connections with wall flanges. Swan neck aerated swivel outlet. 1/2"BSP male iron connection ends. Technical Details: Connections have 178mm fixed centres.

Product Code: 515/055-21/N



(STAINLESS STEEL PRODUCTS NOT IN PORTFOLIO)

Stainless steel hand wash basin's are generally preferred in the back of room areas as Trolleys are moved more frequently back and forth in the Utility sections and history has shown that the Steel basin last longer under such condition's.

SPARES

COLORADO STRUCTURE

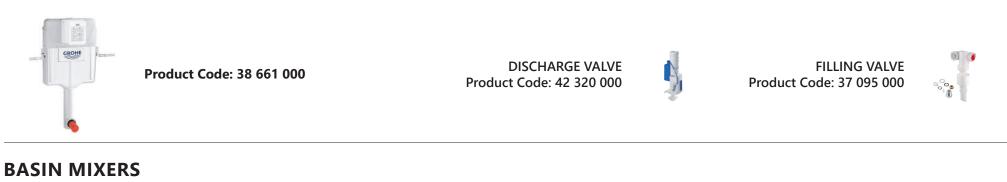
Cold

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		FILLING VALVE Product Code: 37 095 000		
	Product Code: 38 661 000	DISCHARGE VALVE Product Code: 42 320 000		
EXPOSED FL	USH VALVES	PUSH BUTTON ASSEMBLY Product Code: C-FJ8-20/N	ŧ	
Product Code: FJ6-000/N	Product Code: FJ6-000/N	PISTON KIT Product Code: C-FJ8-11/N	4	
1	Product Code: 37 339 000	URINAL CARTRIDGE ONLY Product Code: 66 802 000		
	Product Code: 36 265 000	METERING CARTRIDGE ONLY Product Code: 42 383 000		
4	Product Code: KM2-100FS/N	METERING CARTRIDGE ONLY Product Code: C-KM9-200/N	Ĵ	
	Product Code: 36 266 000	METERING CARTRIDGE ONLY Product Code: 42 383 000	- 	
	Product Code: KM066WT-114/N	METERING CARTRIDGE ONLY Product Code: C-KM9-200/N		
12-		HEALTHCARE BROCH	HURE LIXIL 59	

CONCEALED CISTERN





Product Code: EX5003CH/N

BRASS HEADPART Product Code: 1264P



SHOWER MIXERS



Product Code: 5800CH

46mm CERAMIC DISC CARTRIDGE Product Code: 46 480 000



BRASS HEADPART Product Code: 1265P



Carlos

60

Product Code: AEX5005CH/N

Product Code: S-508/1/N

BRASS HEAD PART ONLY – NO HANDLE

MEDICAL MIXER SPARE PARTS

SPARE PARTS

MEDICAL MIXERS



	BRASS HEAD PART ONLY (HW) Product Code: S-21-1CLOCK/N	
Product Code: 515/055-21/N		
	C WALL TYPE-CONNECTION Product Code: S-21-2ANTI/N	A
	SPOUT, NUT & AERATOR ONLY Product Code: S-044 (for 515/055-21 only)	\bigcap
Product Code: 510-21/N	SPOUT, NUT & AERATOR ONLY Product Code: S-041/N (for S-055/1-15/N only)	\mathcal{C}
	SPOUT, NUT & AERATOR ONLY Product Code: S-048/N (for 510-21 only)	



Product Code: 37 293 000



CONTROL ASSEMBLY

Product Code: C-FMC1-3/N

CONCEALED CISTERN



PISTON KIT

Product Code: C-FJ8-10/N

ELBOW ACTION TAP/MIXER

Product Code: FJ2-100/N





CLOSED COUPLED PAN



Product Code: 772664WH

SOFT CLOSE SEAT Product Code: C-CCSEAT/WEL



BASIN MIXERS



Product Code: 5819CH

the the

Product Code: EX5003CH/N

25mm CERAMIC DISC CARTRIDGE Product Code: 46 580 000



BRASS HEADPART Product Code: 1264P



SHOWER MIXERS



Product Code: 5800CH

46mm CERAMIC DISC CARTRIDGE Product Code: 46 480 000





Product Code: AEX5005CH/N

BRASS HEADPART Product Code: 1265P



CONCEALED CISTERN 1 **DISCHARGE VALVE** FILLING VALVE Product Code: 38 661 000 Product Code: 42 320 000 Product Code: 37 095 000 **EXPOSED FLUSH VALVES PISTON KIT** PUSH BUTTON ASSEMBLY Product Code: FJ6-000/N Product Code: C-FJ8-11/N Product Code: C-FJ8-20/N **URINAL CARTRIDGE ONLY** Product Code: 37 339 000 Product Code: 66 802 000 STAFF KITCHEN & REST AREA **KITCHEN MIXERS** SPOUT, NUT & SPOUT, NUT & AERATOR ONLY Product Code: 266/041CA/2 **AERATOR ONLY** Product Code: S-041/10/N Product Code: S-044/10/N Product Code: 296CA/N COBRA CARINA HEADPART Product Code: P-81-2CA/N

EXPOSED FLUSH MASTER



EXTENDED BIB TAP



Product Code: 206EXT-15/N

COBRA STAR HEADPART PRODUCT Code: P-8/N



EXPOSED FLUSH VALVE



Product Code: FM1-000/N

CARTRIDGE KIT C/W TOP COVER Product Code: C-FM8-30/N



CONTROL ASSEMBLY Product Code: C-FMC1-3/N



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