GROHE PROFESSIONAL





NEW

GROHE TOUCH-FREE FITTINGS AND FLUSHING SYSTEMS

THE LATEST GENERATION

14

GROHE | MASTERS OF TECHNOLOGY

Cover image: Hazza Bin Zayed Stadium, United Arab Emirates

MASTERS OF TECHNOLOGY



GROHE's people have been regarded by their peers in the industry as Masters of Technology, because of their innovations, outstanding design and award-winning fittings.

By a combination of their advanced craftsmanship and their cutting-edge approach to effective teamwork and processes, our Masters of Technology take the lead in developing, designing and manufacturing our outstanding product range, all the while testing and fine-tuning each piece to ensure continued customer satisfaction.

The result: Timeless design. And quality that lasts a life-time. Again and again GROHE products surprise users with unique features that provide 'Pure Freude an Wasser'. When you use a GROHE product you can feel the difference. Time after time.

Take, for example, the latest generation of GROHE electronics with bi-directional data exchange. Equipped with the latest infrared technology the products not only receive infrared commands for programming and settings, but can also send monitoring and usage information.

Another feature is the lasting quality of the surfaces. Thanks to the GROHE StarLight[®] coating the faucet is incredibly scratch resistant, meaning the dazzling surface won't mark or tarnish. Offering high user comfort and minimal cleaning GROHE is setting a new standard for commercial or public sanitary facilities.

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GROHE TECHNOLOGIES





GROHE StarLight® Made-to-last surfaces ranging from satin matt to brilliant gloss.





GROHE CoolTouch® No scalding on hot surfaces thanks to 100% GROHE CoolTouch®.



TouchFree Innovative infrared technology for hygienic, touch-free actuation of basin faucets, WCs and urinals.





GROHE EcoJoy Save valuable resources and get 100% water enjoyment.







LongLife Battery Unique low-energy electronics ensure a long service life.

THE LATEST INFRARED GENERATION WITH BI-DIRECTIONAL DATA EXCHANGE

Infrared technology with touch-free activation has proven its worth in sanitary facilities in so many ways. It's a handsdown winner for obvious reasons: Eliminating the need for physical contact with fittings, it prevents germs from spreading. Thanks to their high standards of hygiene plus the added convenience, these infrared fittings make using sanitary facilities a lot more pleasant.

New benchmark: Intelligent infrared fittings. As one of the leading manufacturers of electronic faucets and flush systems, we build decades' worth of experience into all our technologies and continually refine them to meet our customers' needs. GROHE electronic products are fitted with the very latest technology to enable bi-directional data exchange. That means the infrared products - which feature a single infrared window and can be recognised by the infrared control's "eye" that lights up yellow, not red as with earlier models - can not only receive commands for programming and settings but also transmit consumption data and settings. This monitoring enables our market-leading infrared solution to deliver highly transparent consumption data for each individual draw-off point. Information relating to frequency, duration and time of activation is now clearer than ever before. It allows operating costs for water and electricity to be more accurately determined and reduced over the long term.









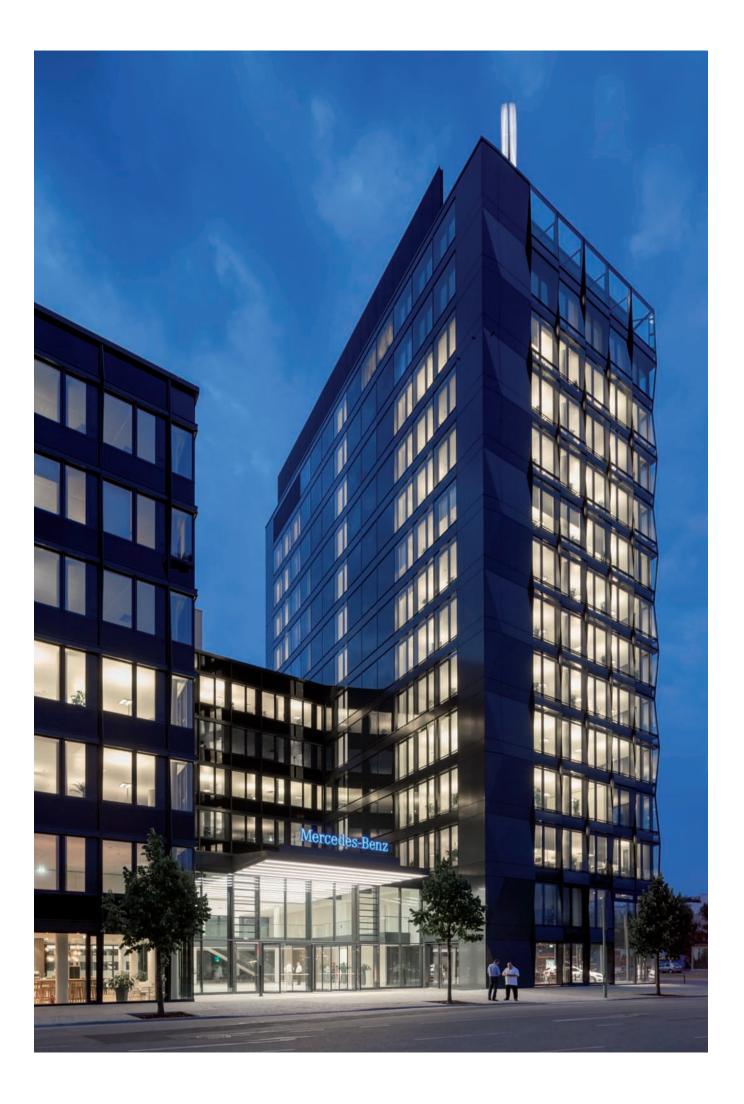












The hands-down winner for great hygiene. GROHE infrared technology is traditionally used mainly for basins and urinals. It's here and with WCs that the hygienic benefits of touch-free actuation become particularly evident. The more highly frequented the sanitary facilities, the more users stand to gain from automatic waterflow activation. It's ideal for hotels and restaurants, companies in the healthcare and food industries, at stations and airports, at recreational and sports facilities as well as in many other types of public and commercial spaces.

Flexible power supply for use. Since GROHE electronics can be operated with your choice of 230 V mains connection, a 6 V lithium battery or the GROHE power box, there's no limit to where they can be used. This also means that retrofitting draw-off points with infrared technology – during renovations, for example – does not require a socket.



MAXIMUM HYGIENE, SIMPLE SETTING AND EXCELLENT EFFICIENCY

A key innovation in GROHE infrared products is the improved control of all functions: In addition to simple setting by hand via sensors as we know it, our one eye infrared models now also offer the option of changing settings using the remote control or an app on a smartphone or tablet. That makes it easier to set or adjust functions such as running time and regular, automatic flushes. Even changing or activating functions such as thermal disinfection or automatic flushing (stagnation flush) is now comprehensive, simple and intuitive.

Setting options by hand via sensors

7 preset standard programs for the key functions

Automatic flushing frequence

(off, 24 or 72 hours, to prevent water stagnation)

Automatic flushing duration (60, 300 or 600 sec.)

Thermal disinfection (3.5 or 11 min. or continuous operation); Sensor monitored: Automatic stop when a hand approaches (reflection)

Cleaning stop function (off or 180 sec., easy for cleaning staff to operate)

Setting flush volume for the WC and urinal (WC 4-9 I, urinal 1-7 I)

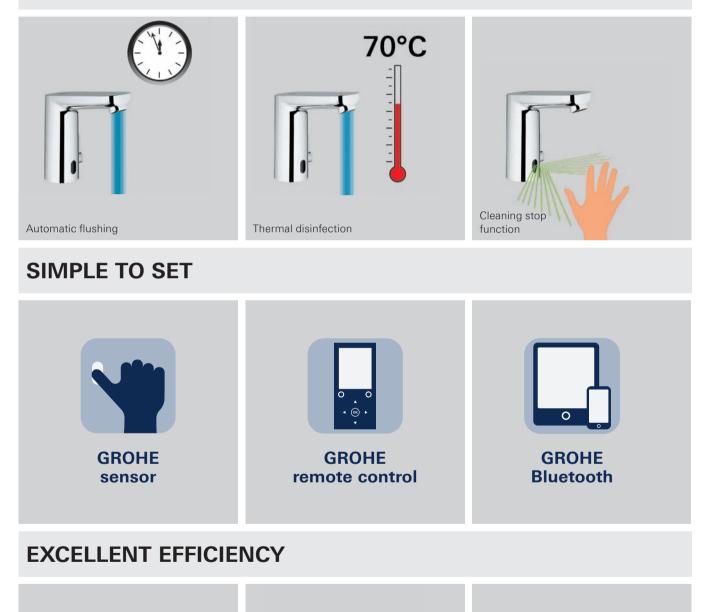
Battery charge indicator: Blinking LED = low battery charge; displays 4 charge levels: >60%, >40%, >20%, <20%

Meeting the most exacting hygiene standards. The preset programs in our infrared products are designed to deliver just the right amount of water and make it easier to meet any building's specific hygiene standards. By flushing regularly (according to users' settings) it prevents germs from growing in pipes (biofilm). Not only that, they also prevent unpleasant odours that can be caused by stagnation water, especially in WCs and urinals.

Additional setting options via remote control or app. The remote control or app lets you fine-tune all functions even more accurately and read out consumption data reliably and simple. Another benefit of the new GROHE technology is being able to set not only individual draw-off points but also entire rows to the desired parameters with predefined profiles at the touch of a button.

Infrared = sustainability. GROHE electronics significantly reduce water consumption by starting and stopping the flow of water precisely as needed. They can slash water use by up to 70% compared with conventional single-lever mixers. And GROHE electronics are also sustainable in terms of their maintenance requirements and long life. Our batteries use very little energy, so they last a long time: up to seven years at 150 actuations per day. Alternatively, all our infrared mixers can run on a mains connection (230 V) or via the GROHE power box.

MAXIMUM HYGIENE





Battery (6V): 7 year lifetime (with 150 actuations a day)

Battery or 230 V variant

Power box variant: The energy-saving champion

DATA READOUT FUNCTION LETS YOU KEEP TRACK ON EVERYTHING

How often and for how long are faucets or flushers activated within a certain period of time? That's the key question in determining the correct settings for sanitary products when it comes to such essentials as meeting hygiene standards, avoiding stagnant water in supply pipes as well as optimising water and electricity consumption, not to mention preventing drains from drying out and eliminating unpleasant odours.

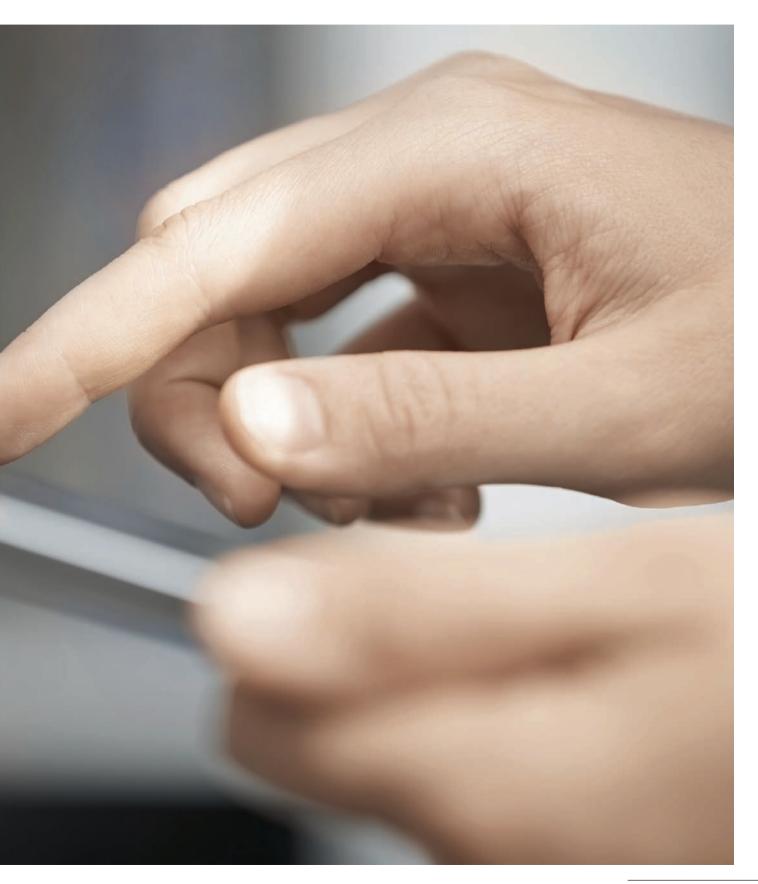
Greater transparency. The data readout functions deliver full transparency whenever the latest-generation GROHE infrared controls with bidirectional data exchange are activated – including pre- and automatic flushing. This information leaves no doubt about when the solenoid valve in a faucet was last opened and closed, for example, and how much water was consumed at that location.

Planning maintenance precisely as needed.

Maintenance staff can quickly tell whether the basic settings match actual use or whether functions such as automatic flush intervals need to be adjusted. In addition, the total running time as well as how often the solenoid valve is opened and closed indicate the degree of use and the resulting maintenance requirements.

Additional setting options. Many functions can be set simple and even more precise via remote control or app, such as flexible running times and flush duration for the automatic flush. Just as you would expect, controlling all the settings is simple, straightforward and intuitive.





THE NEW REMOTE CONTROL: SMART, STRAIGHTFORWARD, INTUITIVE

Many additional settings can be operated with the new GROHE remote control. It is intuitive and straightforward to operate and gives plumbers, caretakers or facility managers access to the products. The integrated screen clearly displays all the setting options featured in each infrared product. It enables the settings for use and total running times to be adjusted to changing needs in an instant. The menus feature a logical structure that simplifies operation – so even thermal disinfection can easily be activated just by pressing a button.

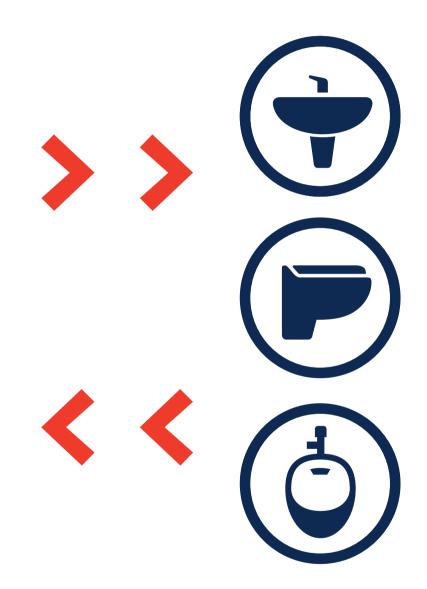
Save time and money. Another special feature of the new GROHE Professional remote control is the ability to access a wide range of data on the infrared products and display them on screen. This is especially important for those in charge of sanitary facility maintenance, as it gives them all the product and consumption information they need to ensure optimum long-term operation. The consumption profile can be stored in the remote control and transferred to other infrared products. Particularly in facilities fitted with numerous infrared-controlled sanitary products, this option is the ideal way to save time and optimise costs. Data readout rapidly indicates any irregularities, which simplifies maintenance. Operating costs can be calculated and reduced at each draw-off point.

Configuration: Simply navigate to the desired function.

The new GROHE infrared products' functions are as diverse as their operation is simple. Any user can readily deploy the full range of program options that allow the electronic faucets and flush systems to meet specific needs while operating with maximum efficiency. This includes, for example, adjusting detection zones: Whether hand or body detection (thermostat function) which is required by surgeons in operating rooms the detection option can be (individually) defined.

Complex processes made easy. Setting automatic flushes in order to prevent water stagnation and the odours it causes is now much simpler: Activation can be set flexibly at four-hour intervals, and the duration of each flush can also be set in 30-second intervals as desired.





THE NEW REMOTE CONTROL AT A GLANCE

Settings via remote control (configuration)

Setting the detection zone in 1 – 19 steps (7–20 cm)

Automatic flush

Time: According to time or use in four-hour increments (4–80 hours)

Flush duration: Flexible, in 30-second increments (30-600 sec.)

Thermal disinfection in one-minute increments (4-23 min.)

Activating thermal disinfection with one press of a button

Cleaning stop function with three different time settings (180, 320, 560 sec.)

Total running time of waterflow per activation (6–420 sec.)

Run-on time after leaving detection zone is individually adjustable in one-second increments (0–19 sec.)

Service via remote control

Read out, save and load of product profile (depending on product category)

Battery charge indicator

Restore factory or user settings

Read out infrared product's software version, serial number and manufacturing date

Number of power interruptions

Switch product off / on

Consumption data via remote control (monitoring)

Monitoring consumption and flow data

Number of thermal disinfections

Total running time

Number of times solenoid valve is opened and closed

Number of automatic flushes

Reset solenoid valve counter for maintenance



Basin Mixer	Configuration	Configuration	Configuration
CONFIGURATION	Detection zone 8	Automatic Flushing ACTIVATE DEACTIVATE	Flush mode
SERVICE	Running time after last 6 s	Runtime 60 s	USAGE INDEPENDENT
MONITORING	Maximum running time 42 s		Short time off ACTIVATE DEACTIVATE Runtime 180 s
Basin Mixer	Service	Service	Service
CONFIGURATION	Model name BASIN MIXER	Power cut 63	Profile SAVE LOAD
	Software version 5	Lock tap	
SERVICE	Serie number M010502150007	START STOP	Reset
MONITORING	Date of 07/2015	Test mode	USER RESET
	Voltage Supply 100%	+ -	
Basin Mixer	Monitoring	Monitoring	
	Automatic flushing	Water consumption	
CONFIGURATION	Counter total 125	Counter total 20800 Min	
SERVICE	Last flush 5 h	Thermal Disinfection	
	Operations	Counter total 365	
MONITORING	Counter Total 1500	since user reset 45	
	since user reset 155		

GROHE INFRARED TECHNOLOGY WITH BLUETOOTH COMMUNICATION**: MOBILE CONTROL AND MONITORING

Selected GROHE products (with 230V) with Bluetooth communication boast a special feature: They can communicate over Bluetooth with smartphones and tablets over a free to downloadable app (via Apple or Andriod Store), which makes it easier than ever to read out consumption data and set a variety of functions. In sanitary facilities with several faucets or WC/urinal flushers, the data from all infrared products within range are captured at once and can be read out one after the other. What's more, the draw-off points can be assigned names via an app, making maintenance more systematic.



Improved maintenance functions via monitoring options

Finds all products in range and read them out one after the other *

Password-protected access *

Simple product selection via the app *

Individual name assignment for each product *

Analysis of average consumption data over the past 30 days *

Number of automatic flushes, time of last automatic flush *

Consumption per day, consumption during the past 30 days *

Activations of thermal disinfection, last thermal disinfection *

Total running time of each fitting, activations of solenoid valve *

Convenient, user-friendly setting options

Range setting in 1 – 19 steps (7–20 cm)

Automatic flush

Time or user depandable 4 hour increments (4–80 hours) Flush duration: Flexible, in 30-second increments (30–600 sec.) Exact time control *

Thermal disinfection in one-minute increments (4-23 min.)

Activating time-controlled thermal disinfection with one press of a button *

Cleaning stop function with three different time settings (180, 320, 560 sec.)

Total running time of waterflow per activation (6-420 sec.)

Run-on time after leaving detection zone is individually adjustable in one-second increments (0–19 sec.)

Improved information about service and maintenance tasks

Read out, save and load of product profile: three profiles per product category *

Restore factory or user settings

Hardware and software version

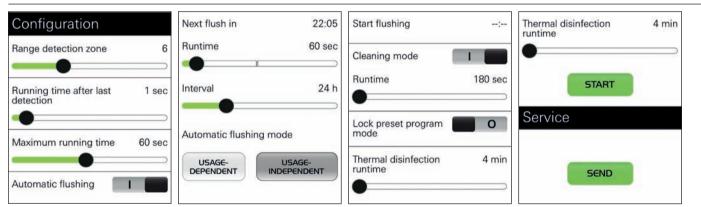
* additional features available with the app

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Monitoring

Washbasin Floor 2		Open and closing cycles Open and closing cycles (30 days)			
Monitoring		Counter total	4120	Min	0 - 06.03.2016
Automatic flushing		Since Usage Reset	4120	Max	192 - 09.02.2016
Counter total	1	Last Usage Reset		200	
Next flush in	22:05	Average (in total)	96	150	
Last flush		Average (30 days)	95	100	
Date	07.03.2016	Last operation		50	
Time	10:53	Date	07.03.2016		
Runtime	60 sec	Date	07.00.2010	2.2016	2.2016 2.2016 2.2016 3.2016 3.2016
Water consumption		Thermal disinfection			
Runtime (total)	133 min	Counter total	1		
Quantity (total)	758	Since Usage Reset	1		
Flow straightener	5,7 l/min	Last Usage Reset			
Operating hours total	1017 h	Last thermal disinfec	tion		
Thermal disinfection		Date	07.03.2016		
Counter total	1	Time	13:28		
Since Usage Reset	1	Runtime	4 min		

Configuration



Service

Service	Power cut	Time-controlled 0
Model name BASIN MIXER	9	
	Switch product off	Test mode START
Software version 129	Direct START	FACTORY RESET
Serial number M018149150016	Time-controlled O	USAGE RESET
Date of production 49 15	Test mode START	
	FACTORY RESET	SEND

System requirements

Apple* iPhone 5/6, iPad 2/3/4/ Air/Air 2/ iPad mini 2/3 Apple operating system: iOS 8.0 and higher (32/64 bit) Android

4-inch display, OS 4.3.x-5.x

Mobile end devices and the GROHE Infrared Remote App** are not included in delivery and must be acquired through an authorised Apple reseller/retailer/ iTunes or the Google Play Store.

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GROHE INFRARED TECHNOLOGY – YOUR BENEFITS

Benefits for operators of sanitary facilities in public and commercial spaces

Reliable and durable technology with a variety of options to meet users' needs

Full transparency whenever faucets and flush systems are activated, meaning more opportunities to track and control use patterns

Easier maintenance

Enhanced safety and hygiene thanks to simplified settings for automatic flushing, thermal disinfections and cleaning stop function

More efficient and cost-effective

More sustainable thanks to lower water and electricity consumption

Benefits for plumbers

Better access to settings and controls of faucets and flush systems

Intuitive activation and control of running times, flow rates, detection zones and other features

Easier setting of functions such as automatic flush, cleaning mode and thermal disinfection

Faster and/or simultaneous setting of entire rows of sanitary products

Enhanced service quality and easier maintenance planning

Five-year warranty

Since GROHE products are designed to have an exceptionally long service life and are subjected to intensive, extended-use testing, we are able to offer comprehensive warranties.*



* We provide an extended manufacturer's warranty of five years on all our products manufactured under the GROHE brand after 1 April 2012. For the detailed terms and conditions of our warranties, please go to www.grohe.com





GROHE INFRARED FAUCETS

EUROPLUS E







36 387 000 Infrared basin faucet with power box and mixing device



36 015 001 Infrared basin faucet (230 V) with mixing device 34 197 001 with mixing device for low pressure 36 016 001 without mixing device



36 240 001

Infrared basin thermostat (6 V), wall-mounted, projection: 232 mm 36 239 001 projection: 264 mm





36 210 000 Socket for Europlus E, 25 mm

36 209 000 Hidden mixing device for Europlus E



0.3

GROHE StarLight®

GROHE EcoJoy









EUROSMART CE



36 327 001

Infrared basin faucet (6 V) with mixing device **36 331 001** with mixing device and waste set **36 330 001** with hidden mixing device



36 325 001 Infrared basin faucet (230 V) with mixing device 36 324 001 with mixing device for low pressure



36 421 000 L-Size Infrared basin faucet (230 V) with mixing device **36 422 000** 6V Height mousseur 150 mm





36 386 001 Infrared basin faucet with power box and mixing device

36 335 SD0 Infrared basin faucet (230 V) wall-mounted, projection: 172 mm **36 334 SD0** projection: 232 mm Brass SuperSteel spout

 Brass SuperSteel spout
 projection: 232 mm

 stainless steel escutcheon
 Chrome spout and escutcheor

 for concealed box 36 336 000 or 36 337 000
 for concealed box 36 339 000



36 336 000 Concealed box with integrated pre-adjustable thermostatic mixer **36 337 000** Concealed box for cold or premixed w

Concealed box for cold or premixed water for 36 335 SD0 / 36 334 SD0 **36 315 000** Infrared basin faucet (230 V) wall-mounted, with mixing device projection: 172 mm **36 376 000** projection: 232 mm Chrome spout and escutcheon



36 339 000 Concealed box for connecting to mixing device for 36 315 000 / 36 376 000



36 333 000 Infrared basin thermostat (6 V), wall-mounted, projection: 255 mm **36 332 000** projection: 287 mm

GROHE INFRARED FAUCETS

EUROECO CE







36 271 000 Infrared basin faucet (6 V) without mixing device

36 269 000 Infrared basin faucet (230 V) without mixing device

36 384 000 Infrared basin faucet with power box without mixing device





36 274 000 Infrared basin faucet (6 V) wall-mounted without mixing device



36 336 000 Concealed box with integrated pre-adjustable thermostatic mixer

Adjust settings via:

GROHE remote control

GROHE sensor



36 337 000 Concealed box for cold or premixed water





36 273 000

Infrared basin faucet (230 V) wall-mounted, without mixing device projection: 172 mm Chrome spout and escutcheon for concealed box 36 336 000 or 36 337 000

GROHE INFRARED PRODUCTS FOR URINALS

TECTRON CONCEALED URINAL







37 324 001 Tectron Skate infrared control (6 V) 37 324 SD1 stainless steel

37 337 001 Tectron Surf infrared control (6 V)

38 787 000 Concealed box for urinal (6 V)







37 321 001 Tectron Skate infrared control (230 V) 37 321 SD1 stainless steel 37 321 SH1 alpine white

FOR URINALS, **EXPOSED INSTALLATION**



37 421 000 Tectron Rondo infrared control (6 V)

RETROFIT SET FOR URINAL

Tectron Surf infrared control (230 V)

37 336 001



Tectron conversion set for infrared control (6 V)

LongLife Battery



37 338 000

UP-Einbaukasten

für Urinal 6 V oder 230 V

Tectron Rondo infrared control conversion unit for 37 021 000 and variants (6 V) for 37 339 000 and variants (6 V)





37 751 001

GROHE StarLight®



TouchFree

GROHE INFRARED PRODUCTS FOR WCS



37 419 000 Tectron Skate infrared WC plate for flushing cistern (230 V) with additional manual actuation **37 419 SD0** stainless steel



38 698 SD1 Tectron Skate infrared WC plate for flushing cistern (230 V) stainless steel





38 699 001 Tectron Surf infrared WC plate for flushing cistern (230 V) **38 393 SD1** Tectron Skate infrared WC plate for flush valve (230 V) stainless steel







GROHE FAUCETS

WITH BLUETOOTH COMMUNICATION



36 411 000 Europlus E infrared basin faucet (230 V) with mixing device for app



36 413 000 Eurosmart Cosmopolitan E infrared basin faucet (230 V) with mixing device for app



36 409 000 Euroeco Cosmopolitan E infrared basin faucet (230 V) without mixing device for app

36 414 000

39 383 000

Eurosmart Cosmopolitan E

Rough-in for 36 414 000

infrared basin thermostat (230 V)







36 410 000

Eurosmart Cosmopolitan E infrared basin faucet (230 V) without mixing device for app projection: 172 mm for concealed box 36 336 000 and 36 337 000 for concealed box 36 339 000





wall-mounted, with mixing device for app,



wall-mounted, for app, projection: 287 mm

36 336 000

Concealed box with integrated pre-adjustable thermostatic mixer for 36 410 000





GROHE EcoJoy

36 412 000

Eurosmart Cosmopolitan E

infrared basin faucet (230 V)

projection: 172 mm

Concealed box for cold or premixed water for 36 412 000

36 339 000 Concealed box for connecting to mixing device for 36 412 000







SmartFix



GROHE SHOWER AND FLUSHING SYSTEMS

WITH BLUETOOTH COMMUNICATION SHOWER





36 415 000

Eurosmart Cosmopolitan E infrared shower control wall-mounted, (230 V) without mixing device for app for concealed box 36 416 000







Concealed box with thermostatic mixer



37 504 000 Tectron Skate infrared WC plate for flushing cistern (230 V) with additional manual actuation for app

URINAL



37 503 000 Tectron Skate infrared control (230 V) for app











37 338 000 Concealed box for urinal 6 V or 230 V **39 369 000** Temperature sensor (230 V) for app to be combined with Rapid SL 39 376 000



GROHE ACCESSORIES







36 407 001 Remote control for all GROHE infrared fittings incl. demo mode

36 133 000 Theft-proof mousseur with key 7,5 - 9,0 l/min at 3 bar

36 276 000 Rotation lock for Eurosmart Cosmopolitan E







34 487 000 Grohtherm Micro under-basin thermostat

45 704 000 Connection set Grohtherm Micro for fittings without mixing

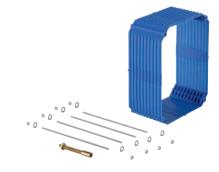
47 533 000 Connection set Grohtherm Micro for fittings with mixing



36 338 000 Switch-mode power supply for concealed socket



36 340 000 Extension cable, 3 m **36 341 000** 10 m



38 896 000 Extension set, 50 mm for 37 338 000 and 38 787 000

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