

SPHERO

INTELLIGENCE
BUILT IN



Ideal Standard

PART OF THE IDEAL STANDARD GROUP

SPHERO

INTELLIGENCE BUILT IN

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WASHROOM ARCHITECTURE

Every element considered

Our washroom products are designed with architects in mind.

Together, we share an obsessive attention to detail – considering every part of every project, interrogating every element and fixating on every function so we can harmonise all aspects beneath one larger vision.

Our solutions are a response to the lifestyle needs of today and tomorrow, providing our partners with richer opportunities to meet project needs, beautifully.



INTELLIGENCE BUILT IN

THE STORY OF SPHERO



DEVELOPING A WASHROOM REVOLUTION

Redefining the urinal,
revolutionising the washroom

There has been a renewed focus on the urinal in recent years. Increased concerns about the environment have put sustainability and water consumption in the spotlight, whilst advances in technology have led to functional progress.

Designed in partnership with the award-winning Studio Levien, Sphero combines the latest water-saving innovations with timeless aesthetics. It delivers a smarter urinal range that's fit for the modern world.

"We have taken an item that has historically been primarily about functionality and through a combination of high aesthetic design and great engineering completely reinvented it."

Robin Levien,
Designer

CRAFTED
FROM
EXPERIENCE

A heritage steeped in innovation

In collaboration with world-leading universities, architects and construction firms, we are working together to shape the future of modern living.

From our roots pioneering products like the ceramic disc cartridge, to delivering solutions for pressing global challenges, our mission has always been to make life better for our customers.

- 1902
One-piece Bathtub
- 1965
Skid-resistant Bathtub
- 1969
Ceramic Disc Cartridge
- 1979
The Rimless Toilet
- 1990
Top Fix
- 2000
Click Technology
- 2007
Markwik
- 2011
IdealBlue
- 2015
AquaBlade
- 2016
FirmaFlow
- 2017
Ipalyss
- 2019
Ceramic Disc 50th Anniversary
- 2020
Sphero Urinals



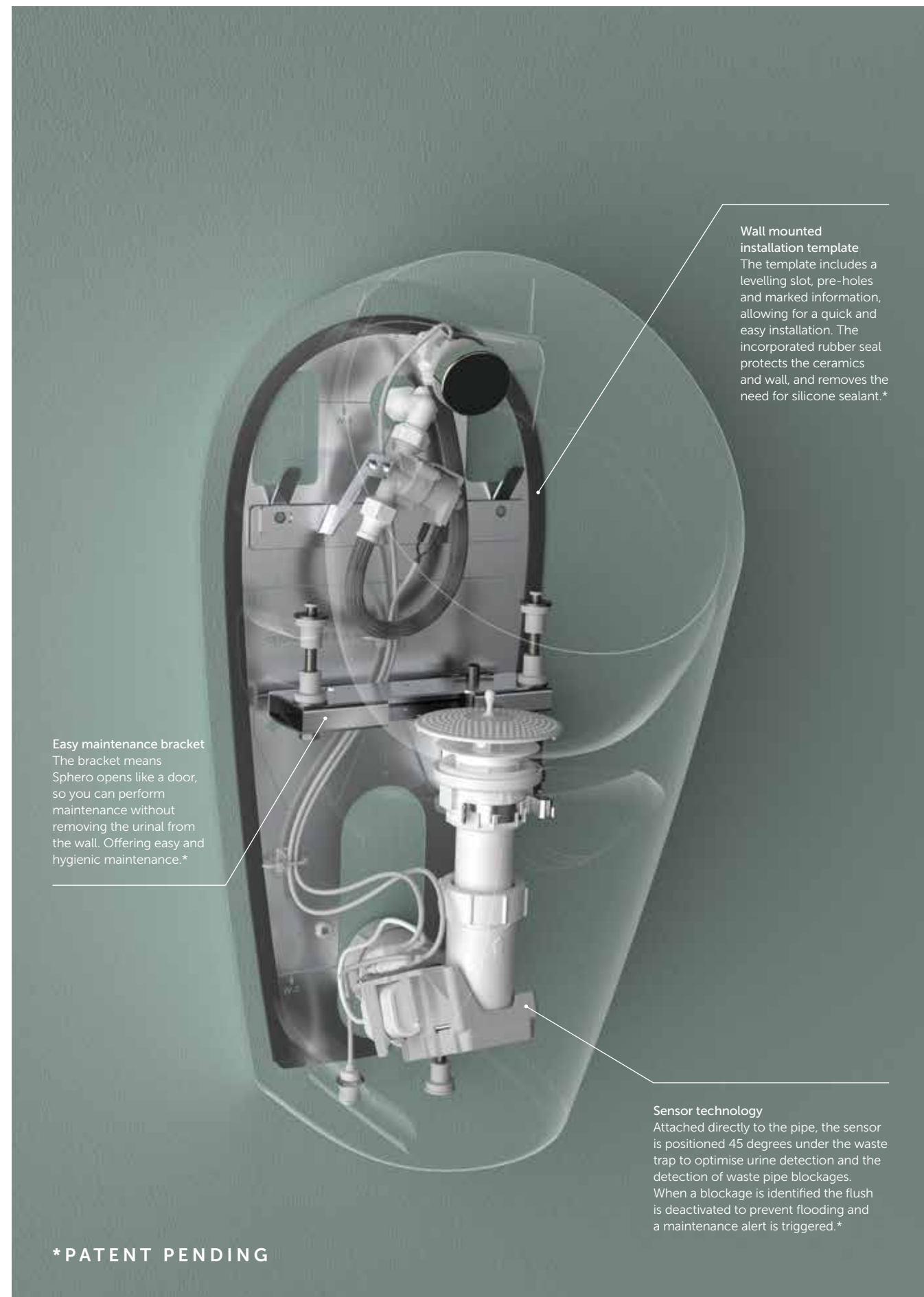
2015
AquaBlade



2019
Ceramic Disc 50th Anniversary



2020
Sphero Urinals



ENGINEERED FOR EFFICIENCY

Efficient at every level

Sphero has been developed with the future in mind. Our unique technology delivers water-saving benefits and outstanding hygiene, whilst providing ease of installation and maintenance.

The easy fix hanger and installation template make fitting smooth and efficient. A choice of back or top inlet models allow concealed or exposed installation, and the top fixed waste and patented easy maintenance bracket enable quick and easy access for on-wall maintenance.

The Smart Hybrid

Our Smart Hybrid flush system takes efficiency to new heights. Crafted for economy, it offers the benefits of a waterless unit with added hygiene.

Available in Midi or Maxi models, the smart sensor technology detects salinity and urinal use, activating flushes and using water only when needed. In high-traffic environments, this Hybrid revolution uses around 10 times less water than conventional urinals or infrared solutions that flush after every use.

Bluetooth provides the communication to our SPHERO app or through a gateway to the cloud. This access permits full usage and diagnostic information and allows complete control of the urinal mode settings (Hybrid, Waterless, Standard).

SHAPED TO STAND OUT

A statement in any washroom

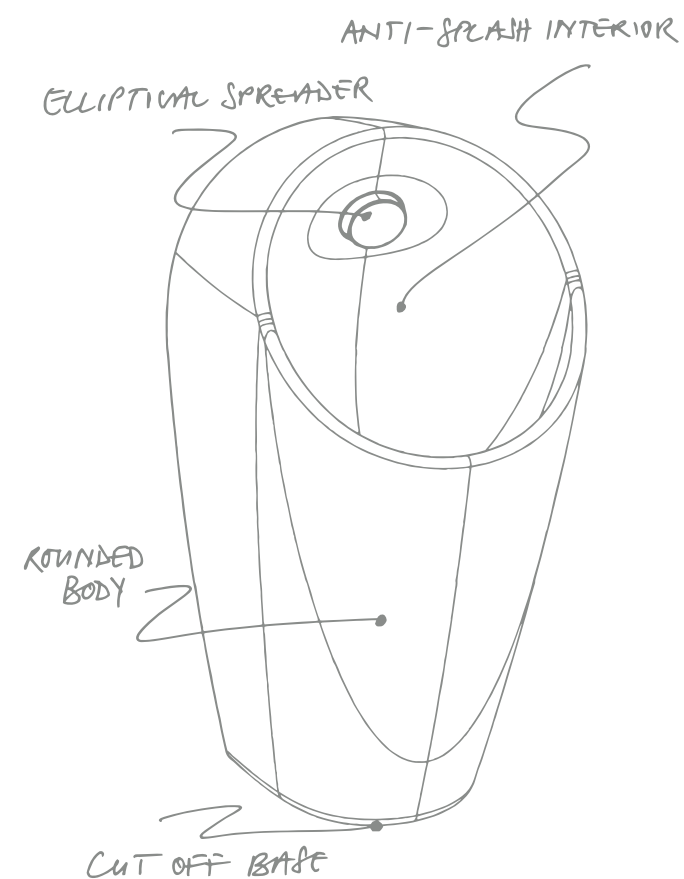
Our partnership with Studio Levien has resulted in a product that is smart in every sense of the word.

Sphero's strikingly simple form belies the intelligence within its design. The fine edges not only achieve a modern aesthetic but are highly practical, helping to contain liquids in the bowl. The deep concave bowl has been designed to offer anti-splash geometry and optimum user privacy.

Each model uses the same rounded shape. It's instantly recognisable and a statement in any washroom.

"Together we set about harnessing the latest technologies to deliver easy cleaning, water saving, anti-splash and ease of installation."

Robin Levien,
Designer



Product development



Robin Levien, Designer

KEY FEATURES

ENHANCING EVERY ENVIRONMENT

Shaped to suit all spaces

Sphero's considered, sophisticated design elevates and compliments contemporary washrooms.

Available in three sizes, each with multiple models, Sphero delivers an extensive range of simple solutions.



"We wanted all models to have the same distinctive form. It's a strong coordinated design but allows for size variations and adapts to every type of installation."

Robin Levien,
Designer







Enhanced water coverage

Hygienic flush

Spreader delivers enhanced hygiene with flush covering majority of bowl.

Anti-splash geometry

Concave bowl

Concave bowl and low outlet position inside the urinal prevents splashback onto the floor and clothing.

SCULPTED FOR SUPERIOR HYGIENE

Hygienic by design

Sphero's anti-splash geometry prevents splashback onto the floor and clothing. The rimless design makes it easier to clean, as does the nozzle spreader which delivers a more hygienic flush that covers most of the urinal.

The ceramic edges have been designed to reduce surface cleaning and stop water retention, preventing the spread of bacteria.

Fresher spaces

The waterless options contain an odour block cartridge which eliminates internal pipe odour, keeping the air around the urinal fresh and free from smells.

The cartridge needs changing on average every 3 months. It lasts for a maximum of 10,000 uses. For our Smart Hybrid models the sensor will indicate that a replacement is needed after 7,500 uses (default setting) via the spreader's integrated warning light.

MINI



MIDI



MAXI



DESIGNED TO THINK AHEAD

Sensor technology
Predicting issues, preventing problems

The intelligent sensor inside the Sphero Hybrid models detects issues and provides feedback to aid maintenance and minimise water consumption.

If the sensor detects a blockage, or a cartridge or battery end of life, the spreader light will provide a distinctive warning alert for corrective maintenance. When a blockage is detected no more flushes will be triggered.

LED warning light

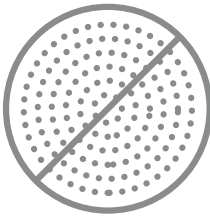
Issue	Blockage*	Cartridge replacement**	Battery replacement
LED flashing pattern	8 times	3 times	5 times

*In the event of a complete blockage flushing will be suspended.

**The LED warning light switches off only when the "Reset Cartridge" is initiated either through the application or the sensor button.

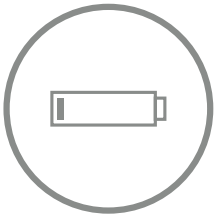
Blockage / slow flow

Sphero's smart sensor will detect and notify maintenance of any blockages.



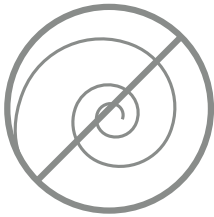
Low battery

A warning light will signal the battery needs to be replaced when 80% of the power has been used.



Flush failure

The smart sensors can also detect flush failure.



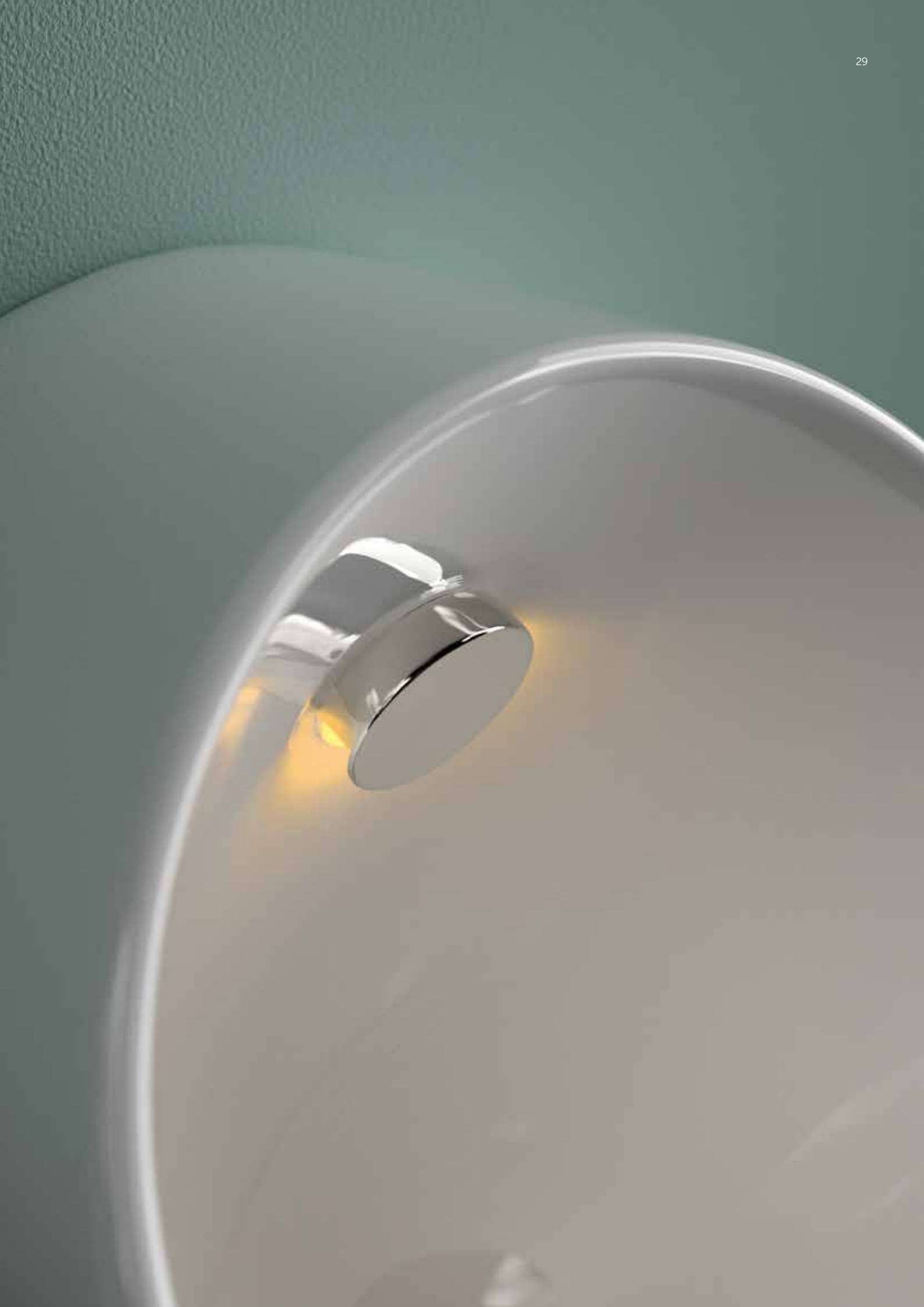
MINI



MIDI



MAXI



BUILT WITH THE FUTURE IN MIND

Flush modes Crafted for economy

Sphero's Smart E-Hybrid feature lets you switch between three flush modes – Hybrid, Standard, and Waterless.*

On the default Hybrid mode, the smart sensor technology detects salinity and urinal use. When usage is detected a single flush is activated every 30 mins (frequency can be changed to 1, 3 or 6 hours), using just 0.85L water per flush (adjustable to 1.5, 2 or 3L). A hygiene flush will activate on an unused unit every 24 hours (optional 12 hours).



Hybrid mode



Standard mode



Waterless mode

When switched to Standard mode, a flush is triggered 8 seconds after each detected use (optional settings of 6 or 10 seconds are available). Like in Hybrid mode, if no use is detected a hygiene flush is activated every 24 hours.

When the sensor detects 3 uses at intervals of less than 1 minute the urinal automatically switches to a Stadium mode, activating a rinse (at a much reduced quantity of water) on every use and a full flush on exit.

In Waterless mode the urinal will not flush – offering maximum water savings. There is a cartridge included for this mode in all Smart Hybrid Sphero models.

Detection

Sphero detects the urine concentration, not human presence – reducing the frequency of flush.



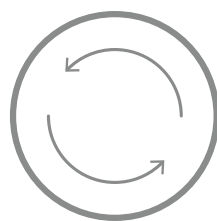
Rinsing

Sphero only rinses the bowl once the level of urine is high enough, saving water and ensuring cleanliness.



Stadium mode

In Standard mode when urinal usage is high, Sphero switches automatically to a Stadium mode, increasing flush frequency but using just 0.1L water per flush.

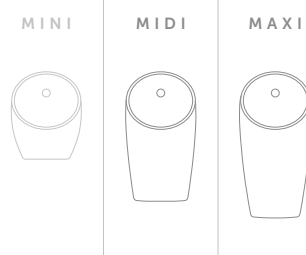


Hygiene flush

When in Hybrid mode, if the urinal is unused for 24 hours, a flush will be triggered automatically, helping to avoid odours and piping issues.



*For battery operated Smart Hybrid models an additional purchase of the Bluetooth module is required to switch between the three flush modes. The default setting is Hybrid mode.



Environmentally aware
Economically friendly

As worldwide population figures continue to grow, so does our understanding of just how valuable a resource water is. With 40% of people unable to access clean water and 4.5 billion lacking safely managed sanitation, it's clear that saving water wherever possible should be a high priority.

That's where Sphero's Smart Hybrid models come in, offering the perfect balance between water-saving technology and greater hygiene levels. In high-traffic environments, Sphero's default Hybrid mode uses 10 times less water than Standard mode or other urinal actuators that flush after every use.

The sensor in hybrid models will detect the necessity to flush and will only do so after a fixed delay of half an hour. All uses happening within these 30 minutes will not trigger additional flushes. The flush volume is pre-set to deliver 0.85L per flush and a hygiene flush is programmed every 24 hours (factory setting).

The tables on the right show a comparison of usage impact on water consumption for Sphero's different flush modes: Standard, Waterless and Hybrid at factory settings. Modifying the Hybrid settings can reduce water consumption even further.

Low traffic

	Standard	Waterless	Hybrid
Usages per hour	2	2	2
Water consumption/flush	0.85L	0L	0.85L
Water consumption/hour	1.7L	0L	Max 1.74L

Medium traffic

	Standard	Waterless	Hybrid
Usages per hour	5	5	5
Water consumption/flush	0.85L	0L	0.85L
Water consumption/hour	4.25L	0L	Max 1.74L

High traffic

	Standard	Waterless	Hybrid
Usages per hour	20	20	20
Water consumption/flush	0.85L	0L	0.85L
Water consumption/hour	17L	0L	Max 1.74L

BREEAM and LEED

BREEAM and LEED are widely recognised Ecolabels that help businesses and new-build developments to make environmentally responsible choices.

Their aim is to reduce the consumption of drinkable water for sanitary use in new buildings from all sources through the use of water efficient components and water recycling systems.

BREEAM is an international scheme that assesses the environmental performance of a building. Developed by the Building Research Establishment (BRE), it acts as a third-party body, providing trained experts to measure sustainability levels. It is now the world's most highly recognised method of environmental grading and a high BREEAM rating is an assurance of quality, value and environmental responsibility.

Leadership in Energy and Environmental Design (LEED) is a North American rating system for high-quality environmental buildings. Since 1998, it has evolved to become a leading certification scheme for American buildings, as well as a reference point for the rest of the world. A high LEED rating offers huge advantages, such as instant environmental recognition, the guarantee of a healthier indoor space and a higher resale value.

Sphero's innovative water-saving features can help in boosting environmental ratings while delivering superior hygiene, making the range the perfect choice for any project.



BREEAM performance levels for water
consumption of collective buildings

Use	Urinal	Urinals (2 or more)
Baseline	10 litres/bowl/hour	7.5 litres/bowl/hour
1 Credit	8 litres/bowl/hour	6 litres/bowl/hour
2 Credits	4 litres/bowl/hour	3 litres/bowl/hour
3 Credits	2 litres/bowl/hour	1.5 litres/bowl/hour
4 Credits	1 litres/bowl/hour	0.75 litres/bowl/hour
5 Credits	0 litres/bowl/hour	0 litres/bowl/hour

LEED performance levels for water
consumption of new buildings

Use	Urinal
LEED 20% requirement	3.79 litres/bowl/hour
LEED 30% (2 points)	3.31 litres/bowl/hour
LEED 35% (3 points)	3.07 litres/bowl/hour
LEED 40% (4 points)	2.84 litres/bowl/hour

Easier maintenance Hinge bracket

Using the Maxi's hinge bracket, you can pull the urinal away from the wall without detaching it, allowing you to perform maintenance tasks with ease.

Faster fitting Installation template

Sphero Maxi has an easy-to-follow template to make installation simple and drilling precise. Its rubber seal protects the ceramic and walls, provides a neater aesthetic, and removes the need for a silicone sealant.

ENGINEERED FOR EASIER MAINTENANCE

Mobile app

Created for total control

The Bluetooth module in Sphero Maxi's E-Hybrid model sends information on each urinal directly to our easy-to-use app.

Check sensor status, power, flow issues, cartridge life and usage statistics from your phone or tablet.

The app can also apply a profile template to a number of urinals. This allows building owners and facilities managers to apply changes to urinals simultaneously – saving time and resources.

You can also connect to our Gateway for Cloud/WMS – allowing urinals to be monitored continuously and controlled remotely.

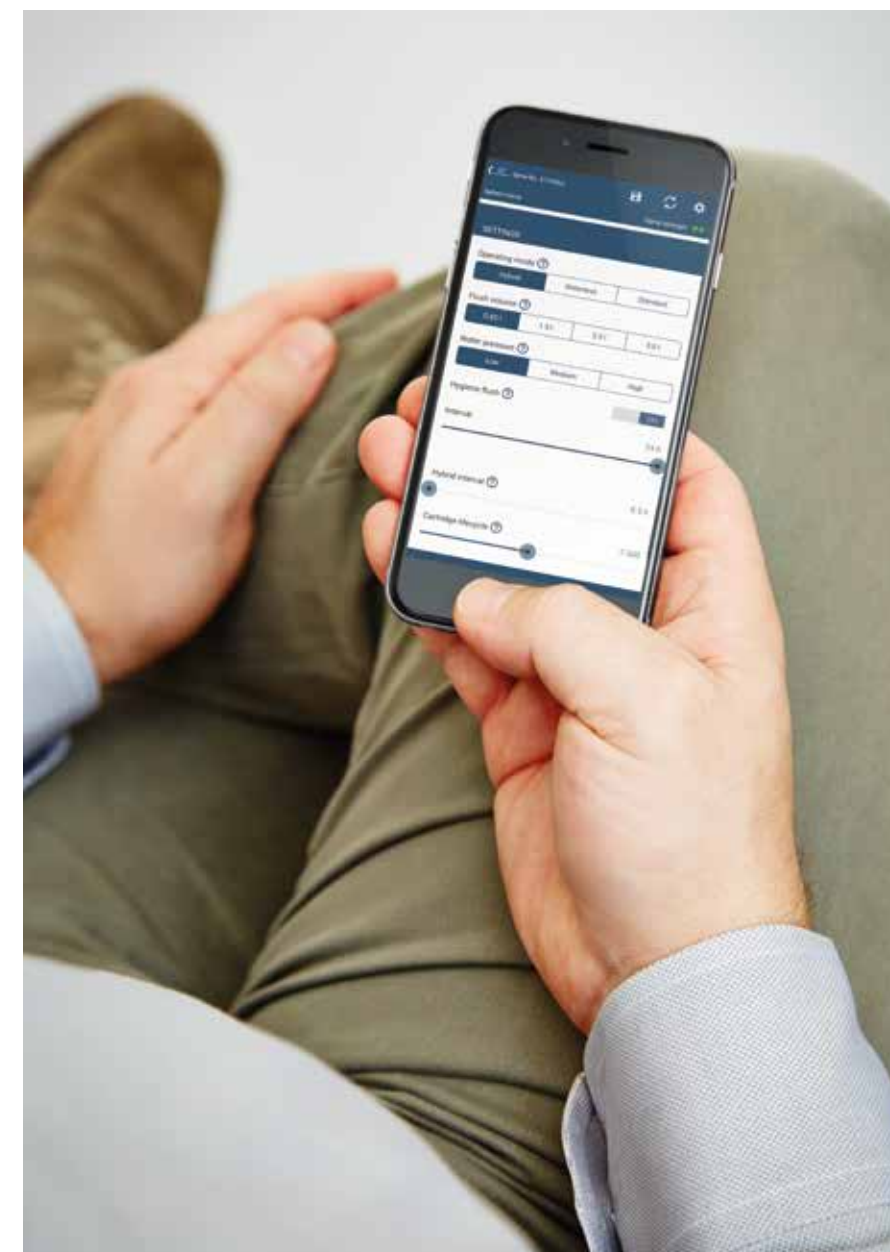
MINI



MIDI



MAXI



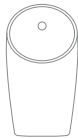
PRODUCT PORTFOLIO

TRADITIONAL FLUSH



Sphero Mini Back Inlet
Urinal Exposed Trap BI
E182801

Sphero Mini Top Inlet
Urinal Exposed Trap TI
E189301



Sphero Midi Back Inlet
Urinal Open Shroud BI
E183101

Sphero Midi Top Inlet
Urinal Open Shroud TI
E189501

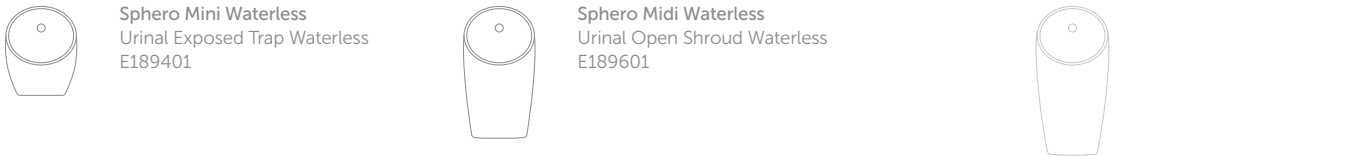


Sphero Maxi
Urinal Closed Shroud
E183201

DESIGN & SPECIFICATION	WATER EFFICIENCY & HYGIENE	INSTALLATION	MAINTENANCE
<p>Modern spherical design Enhancement of aesthetic design for the washroom with a contemporary look and excellent space efficiency.</p>	<p>Anti-splash geometry Concave bowl and low outlet position inside the urinal prevents splashback onto the floor and clothing.</p>	<p>Back and top inlet options Easy to specify for concealed or exposed installation.</p>	<p>Top fixed waste Easy and quick access with supplied service key allowing for on-wall maintenance.</p>
<p>Urinal & key components under one SKU Easy to specify and cost effective with additional components designed specifically for different installation types.</p>	<p>Enhanced water coverage Spreader delivers enhanced hygiene with flush covering majority of bowl.</p>	<p>Easy fix hanger Consistent across range and easy, quick install.</p>	<p>Service and spares Replacement parts available to order.</p>
<p>Tamper-proof Fully closed/shrouded design on the Maxi for added security in public washrooms and high-traffic environments.</p>	<p>Rimless bowls Eliminates hidden surfaces and build-up of stagnant water.</p>	<p>Rubber seal and installation template¹ Easy installation and precise drilling. Protection of walls and ceramic. Improved aesthetics, no need for silicone sealant.</p>	

1. Available as an option/accessory to be purchased in addition to the SKU for Midi and Maxi.

WATERLESS

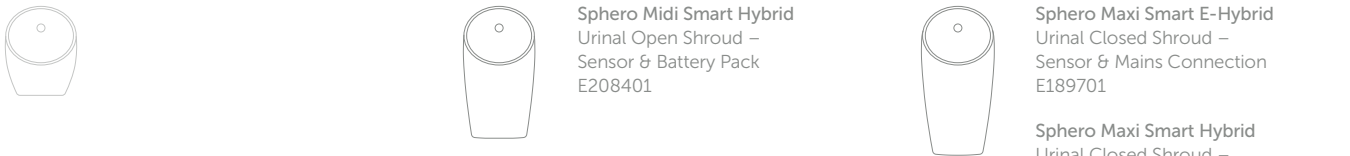


Sphero Mini Waterless
Urinal Exposed Trap Waterless
E189401

Sphero Midi Waterless
Urinal Open Shroud Waterless
E189601

DESIGN & SPECIFICATION	WATER EFFICIENCY & HYGIENE	INSTALLATION	MAINTENANCE
Modern spherical design Enhancement of aesthetic design for the washroom with a contemporary look and excellent space efficiency.	Water saving, reduces odours Waterless option with odour block cartridge. Cartridges only need to be changed every two months (on average).	Easy fix hanger Consistent across range and easy, quick install.	Top fixed waste Easy and quick access with supplied service key allowing for on-wall maintenance.
Urinal & key components under one SKU Easy to specify and cost effective with additional components designed specifically for different installation types.	Anti-splash geometry Concave bowl and low outlet position inside the urinal prevents splashback onto the floor and clothing.		Service and spares Replacement parts available to order.
	Rimless bowls Eliminates hidden surfaces and further simplifies cleaning.		

SMART HYBRID FLUSH



Sphero Midi Smart Hybrid
Urinal Open Shroud –
Sensor & Battery Pack
E208401

Sphero Maxi Smart E-Hybrid
Urinal Closed Shroud –
Sensor & Mains Connection
E189701

Sphero Maxi Smart Hybrid
Urinal Closed Shroud –
Sensor & Battery Pack
E208501

DESIGN & SPECIFICATION	WATER EFFICIENCY & HYGIENE	INSTALLATION	MAINTENANCE
Modern spherical design Enhancement of aesthetic design for the washroom with a contemporary look and excellent space efficiency.	Anti-splash geometry Concave bowl and low outlet position inside the urinal prevents splashback onto the floor and clothing.	Integrated components All technical components linked to the ceramic are preinstalled.	Intelligent sensor Detects flow and waste blockage issues and warning light activated. Diagnostic data available for corrective action.
Options to suit the installation type The Maxi urinal has electronic options for mains or battery type installation.	Smart sensor technology¹ Smart Hybrid sensor technology detects salinity and urinal use. Single flush activated at default set every 30 mins (at 0.85L per flush). 24 hour hygiene flush if no usage. Maxi model recommended for full control.	Rubber seal and installation template² Easy installation and precise drilling. Protection of walls and ceramic. Improved aesthetics, no need for silicone sealant.	Easy maintenance hinged bracket (Maxi only) Urinal swings easily off the wall without any need for disconnection for ease of access to traps etc. for improved maintenance regimes.
Tamper-proof Fully closed/shrouded design on the Maxi for added security in public washrooms and high-traffic environments. An anti-vandal bracket (E202767) is available in combination with the easy maintenance bracket.	Smart E-Hybrid sensor technology Building on Hybrid sensor technology, all settings can be changed. Operated via app. Settings can be applied to all urinals connected to app. Default is Hybrid mode. Can be changed to Standard flush or Waterless.	Mobile app³ Easy use app for mobile or tablet allowing facilities managers and building owners to access information about the urinal remotely. Provides diagnostic status and option to change settings if necessary. Preset for easy installation.	LED warning light Flashes 8 times when there is a blockage, 5 times when the battery needs to be replaced or 3 times when the cartridge needs replacing.
	Rimless bowls Eliminates hidden surfaces and build-up of stagnant water.		

1. Only for Sphero Midi Smart Hybrid. 2. Available as an option/accessory to be purchased in addition to the SKU for Midi and Maxi. 3. Only for Smart E-Hybrid model.

ACCESSORIES

Accessory Matrix	Traditional	Waterless	Hybrid	E-Hybrid
Top Inlet Cap Chrome E2075AA	Top inlet only			
Urinal Toggle Bolts S927667	•	•	•	•
1M Solenoid Valve Extension Cable E206767				•
Anti-vandal Bracket E202767	Only for Maxi model		Only for Maxi model	•
Easy Maintenance Bracket E202267			Included in Maxi pack and available for Midi	Included in pack
Grate Cap E202567	•		•	•
Installation Template & Seal E202667	Available for Midi for improved maintenance access		Included in Maxi pack and available for Midi	Included in pack
Bottle Trap 1½" Plastic Bottle S891567	•			
FlexiWaste E202367	•	•	Included in pack	Included in pack
Waterless 1 1/2 Space Saver Pipe EEEV50167		•		
Urinal Hybrid Cartridge EW03367			•	•
Urinal Waterless Cartridge RV06167		•		
Battery for Sensor E206867			•	
Spreader LED E214367			•	•
IS Service Key E202867	•	•	•	•
ProSys Universal Urinal Frame with top recessed fixing panel for built in or infrared urinal flush control R016367	Back inlet installation			
ProSys Basic Urinal Frame for exposed manual urinal flush control R010367	•	•	•	•
Strut for Hinged Easy Maintenance Bracket R010467			•	•
Septa Pro U1 NT IR F/Plate Chrome P0114AA	•			
Septa Pro U2 F/Plate Chrome P0115AA	•			
Septa Pro U3 F/Plate White R0139AC	•			
Septa Pro U3 F/Plate Chrome R0139AA	•			
Septa Pro U3 F/Plate Matt Chrome R0139JG	•			

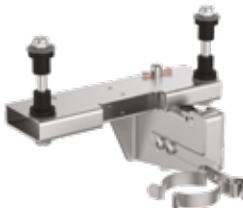
Urinal Install Template & Seal
E202667



Grate Cap
E202567



Easy Maintenance Bracket
E202267



Septa Pro U1 (included flushing
device with protective box)
P0114AA



Anti-vandal Bracket
E202767



Septa Pro U2 (included flushing
device with protective box)
P0115AA



FlexiWaste
E202367



Septa Pro U3 (included flushing
device with protective box)
R0139AC/R0139AA/R0139JG



ProSys Universal Urinal Frame
R016367



ProSys Urinal Frame
R010367



Compatible with all wall-hung urinals

For built-in installation into masonry and plasterboard constructed walls

Height adjustable legs from 0 to 300mm

Easy and quick installation with EasyFix™ wall brackets

Adjustable depth 120 > 170

Adjustable height attachment bars

Top recessed fixing panel for built-in or infrared urinal flush control

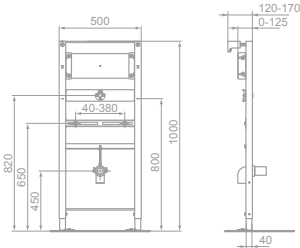
Frame load tested to 100kg

Supplied with all frame fixings

Outlet bend 50/50mm

Outlet bend seal 50mm

1 angled wall connector ½ F x ½ M



Compatible with all wall-hung urinals

For installation with the E-Hybrid/Hybrid models using the Easy Maintenance Bracket combine with strut R010467

For built-in installation into masonry and plasterboard constructed walls

Height adjustable legs from 0 to 300mm

Easy and quick installation with EasyFix™ wall brackets

Adjustable depth 120 > 170

Adjustable height attachment bars

For exposed manual urinal flush control

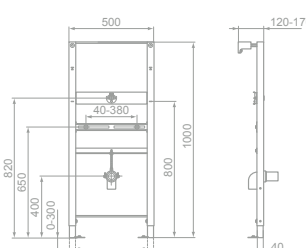
Frame load tested to 100kg

Supplied with all frame fixings

Outlet bend 50/50mm

Outlet bend seal 50mm

1 angled wall connector ½ F x ½ M



Together we positively impact the future of modern living. Together we think bigger. Together we establish the rules for considered design. Together we bring emotion to functional perfection. Together we form enduring partnerships. Together we meet the needs of all generations. Together we shape the future of the category we have defined.

Together for Better.



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Guarantee
Lifetime on all ceramic products

Our confidence in the quality and reliability of our product allows us to offer outstanding extended guarantees on all our products – where the product fails within 5/25 years/lifetime we offer a free replacement or replacement part (or nearest equivalent).

Liability is limited to individual products and the guarantee does not cover the consequential loss or damage or installation costs. This guarantee does not affect your statutory rights. Products must be installed, used and cared for in line with our fixing instructions and local water regulations, and room must be adequately ventilated.

Parts (e.g. flushvalves) are guaranteed for five years and will be replaced if found to be faulty. The guarantee does not cover general wear and tear.

Applies to UK and Republic of Ireland only.

Colours printed in this book are as near as possible to the manufactured range of Ideal Standard products. Our policy is one of continuous improvement and we reserve the right to change specification and design at any time without notice.

All measurements are in millimetres and are approximate.

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