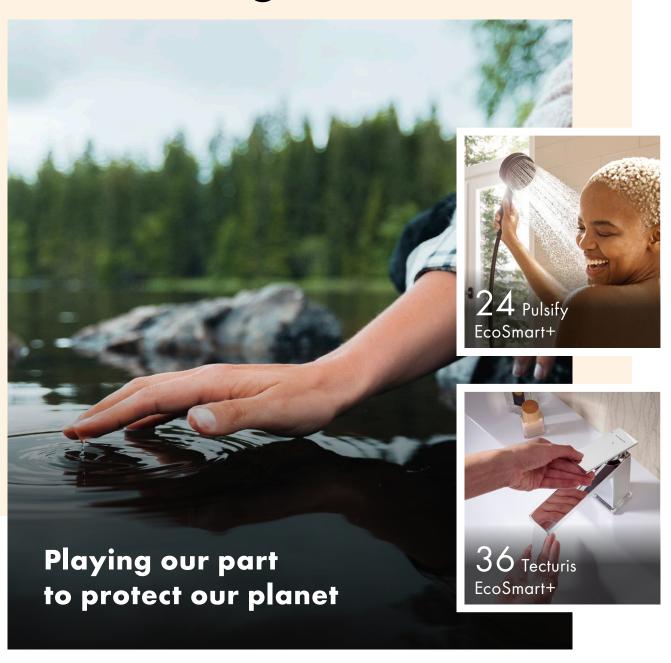
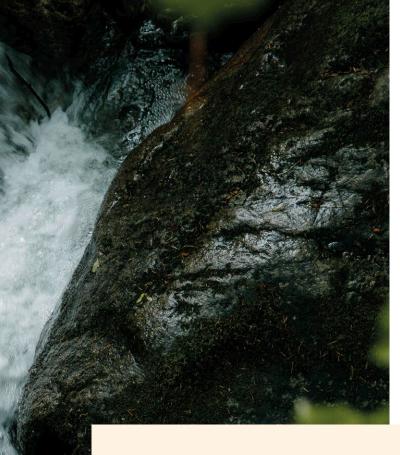
hansgrohe

SUSTAINABILITY at hansgrohe









"By 2030, we aim to convert our entire water-bearing product range in the hansgrohe and AXOR brands to water and energy-saving technologies. In the future, they will need to be part of every energy-efficient refurbishment and new build. We are committed wherever there is a need to tighten emissions-relevant screws in the bathroom and kitchen sector."



Hans Jürgen KalmbachChairman of the Executive Board of Hansgrohe SE



CONTENT

	•
Then as now Milestones Products, Company	06
Playing our part to protect our planet Our fields of action and initiatives	08
We are part of the circular economy Sustainable ABS material, Packaging strategy	10
Transparent and fact-based Labels and certificates, Sustainability ratings	12

Sustainable Products

Ten hansgrohe eco design principlesDevelopment and production of our products

16
18
20
24
28

WashPlace

Start cool – save energy Water- & energy-saving technologies	32
Our sustainable product lines Tecturis, Rebris	36
For a good feeling that lasts Xevolos E, Xelu Q, Xarita Spiegel	38

Kitchen

For a sustainable lifestyle Spray modes and technologies	40
Our sustainable product lines Aquno Select M81, Zesis M33, Aqittura M91	43
Creating the future – now Pulsify Planet Edition	46
•	







Innovation is tradition at the Hansgrohe Group, and so is our green mindset.

Company milestones

2030

Pursuit of the 1.5 degree target of the Paris Climate Agreement

2022

All global sites are climate neutral*

2020

Permanent core team for the realization of our sustainability goals

2005

hansgrohe is the first manufacturer in the German sanitary industry to publish a sustainability report

1992

Construction of what was then the largest roof-integrated solar power plant in Europe





"Climate change is already a reality today. When it comes to minimizing CO₂e emissions, all of society needs to get involved. We're paving the way today for the day after tomorrow."

Klaus Grohe, 1990

PLAYING OUR PART

to protect our planet



Our three fields of action

Hansgrohe conserves water cycles

Safe freshwater is a valuable, unevenly distributed resource. In regions where there are water shortages, it is vital that it is used sparingly. However, even in water-rich areas, constant investment in its treatment is essential. Hansgrohe conserves water cycles because out products save water without compromising the shower experience.

Hansgrohe protects the climate

The Hansgrohe Group's products are becoming more environmentally friendly and therefore support the goals of the Paris Agreement and Glasgow Climate Pact. The use of warm water costs a lot of energy. Saving water using Hansgrohe products also means reducing the energy consumption of sanitary facilities and thereby protecting the environment.

Hansgrohe becomes part of the circular economy

Any resource that no longer needs to be extracted but can be recycled conserves our ecosystems and saves energy and water in production processes. Hansgrohe is developing long-lasting, reparable and recyclable products, sustainable packaging, and is working towards using materials that will preserve our ecosystems as much as possible.



How does the Hansgrohe Group specifically contribute to these three fields of action? With a strong task force. In 2020 we set up the **Green Company** department at Hansgrohe. Since then, the team has been actively taking small steps every day to work on the green transformation at Hansgrohe with strategies, innovative projects, and practical recommendations.





Hansgrohe uses new, sustainable **ABS** material for chrome-plated product components

LEARN MORE -



As part of its sustainability strategy, Hansgrohe is on the hunt for materials that are produced from recycled or renewable sources. We now use the copolymer ABS (acrylonitrile butadiene styrene) for around 45 percent of our plastic injection molding. This engineering plastic is particularly suitable for

electroplating, and is thus the basis for producing the premium surfaces of our showers and accessories. Novodur ECO P2MC B50, the new ABS from INEOS Styrolution, has a bio-attributed content of 50 percent compared to conventional ABS and a carbon footprint that is up to 71 percent lower, too.



Hansgrohe packaging strategy

Less material usage through intelligent packaging design

We standardize and minimize our packaging sizes and only produce universal packs in sizes S, M, and L. For less storage capacity, transport and, scrapping.

Material from
sustainable sources

When it comes to packaging and shipping materials, we strive to use a high proportion of recycled content – at least 80, ideally 100 percent (100% planned from 2025). They are made from sustainable raw materials, such as paper and cardboard, and are plastic-free.

Closing the cycle together

We strive to ensure that all paper packaging can be returned to the material cycle. In this way, no resources are lost, and disposal is as easy as possible.

PLASTIC-FREE PACKAGING 2025



TRANSPARENT

and fact-based

Labels and certificates







Transparency regarding our ecological impact down to product level

The Hansgrohe Group has published EPDs (Environmental Product Declarations) for nine AXOR and hansgrohe product categories. The EPDs provide information about the environmental impact of a product in relation to its entire life cycle: From the extraction of raw materials, through manufacturing and many years of use, to recycling or disposal. The EPDs cover around 1,400 of the best-selling chrome products from the standard AXOR and hansgrohe collections and product ranges.

Green building certificates

The Hansgrohe Group supports its customers in their Green Building certification processes (LEED, BREEAM, DGNB, etc.). It has the right portfolio to meet water- and energy-efficiency requirements and provides relevant product information, such as EPDs.

Our new factory site in Serbia is designed to achieve LEED Silver Certification.

EU taxonomy for sustainable management

The **EU taxonomy** is part of the European Commission's sustainable finance package, which aims to direct resources toward sustainable investments. It establishes a framework of **six environmental objectives** designed to assess whether an economic activity is sustainable, by making at least one significant contribution to one of the defined objectives and not harming any others. **Investors, banks and insurance companies as well as certifiers looking for EU-compliant activities in construction** must make sure that the project only uses products which are in line with the relevant criteria based on a "three-level test". This includes specific flow rates for bathroom and kitchen faucets, as well as showers. **The economic activities of Hansgrohe SE are in line** with the requirements for minimum safeguards, and respect the general DNSH criteria of the EU taxonomy.

Product-specific criteria are already met **by over 3,500 SKUs,** with more coming in 2023.





The Hansgrohe Group builds credibility with its stakeholders through transparency regarding its environmental impacts. To this end, it takes steps like having environmental product declarations confirmed by independent parties and participating in company ratings.

Sustainability ratings





B score in CDP Climate Change

In CDP Climate Change, an initiative for disclosing climate change data, the Hansgrohe Group achieved a B score in 2022. The world's economy looks to CDP as the **gold standard of environmental reporting** with the richest and most comprehensive dataset on corporate and city action. We have set ourselves the overarching goal of achieving an A score in CDP Climate Change within the coming years.

Silver medal from EcoVadis

The Hansgrohe Group received the **EcoVadis Silver Medal** in 2022. This puts it in the **top 25 percent** of all companies assessed by EcoVadis in only its second year of participation. EcoVadis assesses how well a company has integrated sustainability into its management system based on the following criteria: Environment, Labor and human rights, Ethics, Sustainable procurement. We have set ourselves the ambitious goal of achieving the EcoVadis Gold Medal.

Hansgrohe Group

Sustainability in figures: Sustainability Report of the Hansgrohe Group







Ten Hansgrohe

ECO DESIGN-PRINCIPLES

Planet-centered innovations

With carefully thought-through innovations, our products overcome the limitations of the status quo. As a result, we set new benchmarks in minimizing negative environmental impacts, while maximizing comfort.

Less water, less energy, less money

Our products only use water when it is necessary. At the same time, they are designed to ensure maximum comfort with reduced water usage.

Energy-saving mode on!

Our products use energy-saving and efficient technologies. One of the ways the energy required for heating the water in the usage phase is minimized is by reducing (hot) water volumes. Electronic and digital product functions have been made energy efficient.

Long live the product!

The design and construction of our products is timeless and made to last. Any maintenance or repairs can be carried out easily and without special tools. The products are designed so that they can be technically and visually updated. This, in turn, extends their service life.

Closing the cycle

Our products are completely separable by type. The exclusively recyclable components can be returned to the material cycle. This is done by the customer or via a product take-back system with subsequent processing or recycling by the Hansgrohe company.

We develop products based on our ten ECO Design principles. As a result, our products conserve water cycles and resources and protect the climate throughout the entire product life cycle.

Less material

Our products are material-efficient: They consist of as little raw material as possible. Environmental properties play a key role in material selection. We are replacing the materials we used to use materials with more sustainable alternatives. Our products do not use inseparable composites or material mixes.

Zess complexity

Our products consist of components and parts that can be used universally across the portfolio. This reduces complexity and costs. We create innovative design languages using very few new parts.

Less coating

Our products are durable, even without a coating. If a coating is vital, it is made using environmentally friendly surface technologies and the least amount of material. The layer thickness is kept as low as possible to allow the components to be recycled.

Staying clean

Our products and materials reduce dirt and limescale deposits. They can be cleaned without the use of aggressive cleaners.

Awareness guides behavior

Our products create transparency. This makes our customers aware that they need to be mindful when using water and energy.

POTENTIAL SAVINGS

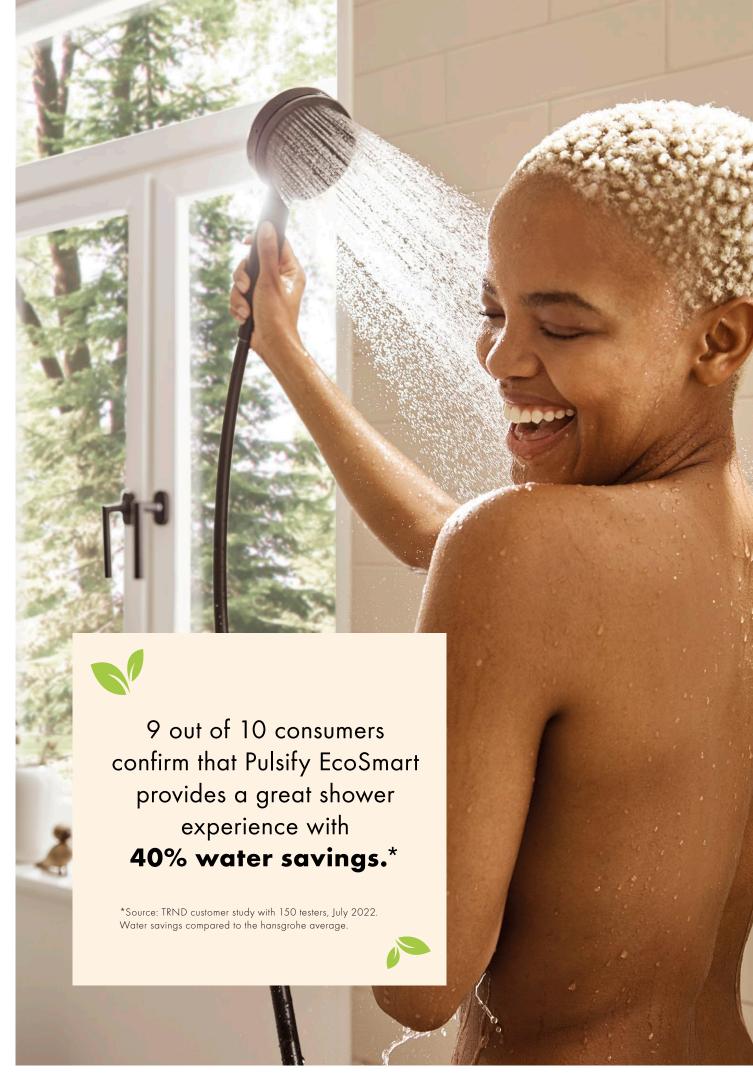


Life cycle analysis of a hand shower

The Hansgrohe bathroom analysis reveals that the utilization phase of a hand shower is by far the most carbon-intensive: roughly **1,000 times more CO**₂**e** is emitted here than during production. That's why we plan to convert our entire shower and faucet portfolio to "ECO" by 2030. Our aim: To reduce the water and/or energy consumption of water-bearing products in use by at least 22 percent (compared to 2020, the base year).







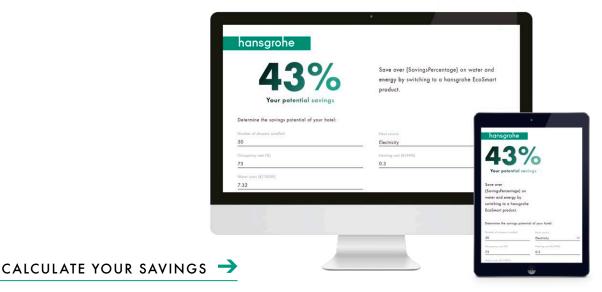


TESS WATER – PURE JOY

Because shower pleasure is as much a part of our DNA as sustainability, we combine water- and energy-saving technologies with excellent wellness features.



Cutting water and energy costs with our water savings calculator:







PowderRain

Micro-fine droplets that gently and quietly envelop the body. Very fine openings on the shower head transform the water into a delicate cocoon. For sensual showering and deep relaxation.



A recent study* found 9 out of 10 consumers agree that **PowderRain** offers

"THE BEST SHOWER OF ALL TIME."

*1,500 customers tested the PowderRain spray mode in 2018 with trnd, an interactive marketing community in Europe.



RainAir

Gentle droplets enriched with air from the luxurious rain shower feel silky soft on the skin for an indulgent shower. This spray mode is also efficient and thorough enough to rinse out shampoo.





AirPower

Mixes generous quantities of air into the water to ensure the precious resource is used more efficiently. The droplets feel light and caress the skin.



PULSIFY









LEARN MORE -



Water is a finite resource. This is why every Pulsify shower allows the responsible use of water. Compared to standard hansgrohe showers, which use an average of 15 l/min, hansgrohe EcoSmart models reduce water consumption by up to 40 percent (8 l/min) and EcoSmart+ designs by up to as much as 60 percent (6 l/min). This way, people can save valuable water while enjoying a feel-good shower experience.



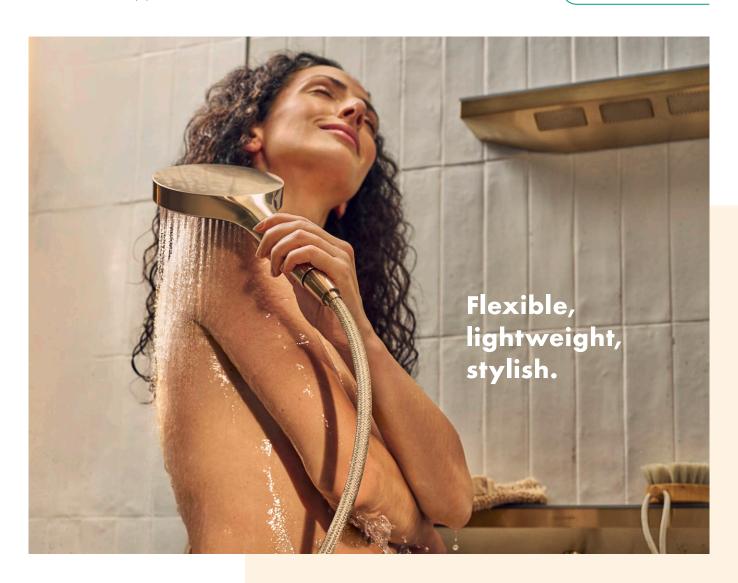


DESIGNFLEX

Shower hose

LEARN MORE -







The fibers used come from recycled plastic bottles. This makes **Designflex** a timeless design piece and a contribution to sustainable living.



CROMETTA





LEARN MORE -







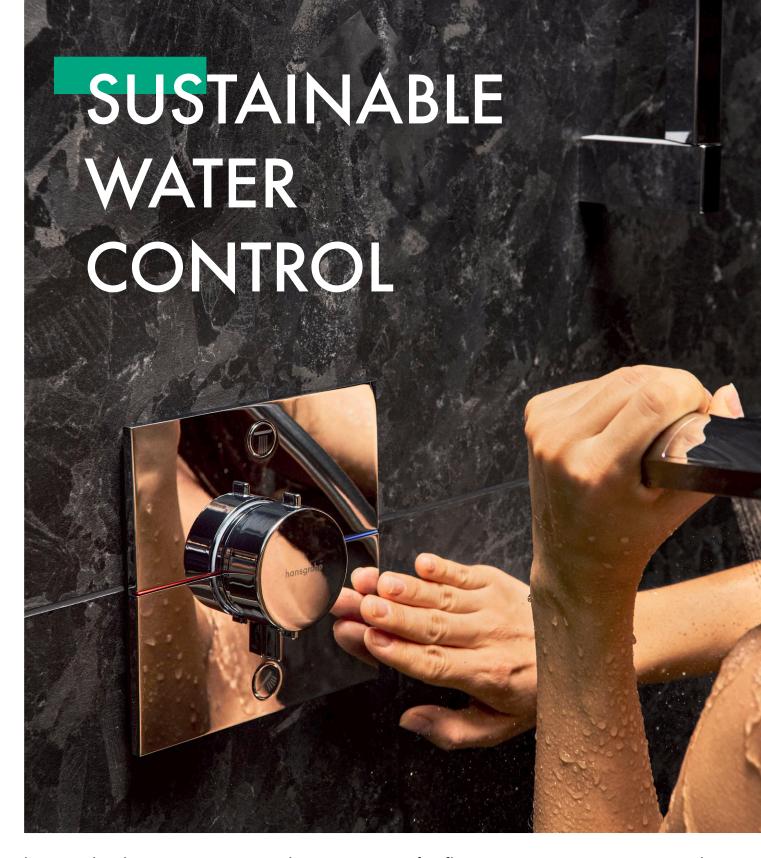


LEARN MORE 👈



The Vernis shower systems bring comfort, fun with water, and resource-saving technologies to the bathroom: The shower systems with EcoSmart technology consume **up to 40% less water than our standard models.** Users save even more water with EcoSmart+, which uses just 5.7 l/min.

With its precise edges, the geometric Vernis Shape creates a visually striking look, while the harmonious design of Vernis Blend, with its gentle curves, has a modern and elegant appeal.



hansgrohe thermostats constantly compensate for fluctuations in temperature and pressure, for the best shower experience and no waste of water. Let the water flow or stop, switch from the hand shower to the overhead shower or change the spray mode: With many hansgrohe thermostats, all this can be done at the touch of a button. Easy to handle and eco-friendly!





WaterFlowControl

Environmentally friendly control designed for accurate adjustment of the water volume using a rotary control, for less daily consumption. Also perfect for children who love gentle water flow.



SafetyStop

Temperature limitation that ensures safe showering pleasure and energy reduction. The safety lock at 40 °C prevents overly hot water from coming out of the shower. The water temperature can only be increased if a button is actively pressed. Less hot water is an important step toward sustainability.



EcoStop

Another button on many hansgrohe thermostats that helps to save water: EcoStop reduces consumption to up to 10 l/min. Only when actively pressed does the water come on full blast.

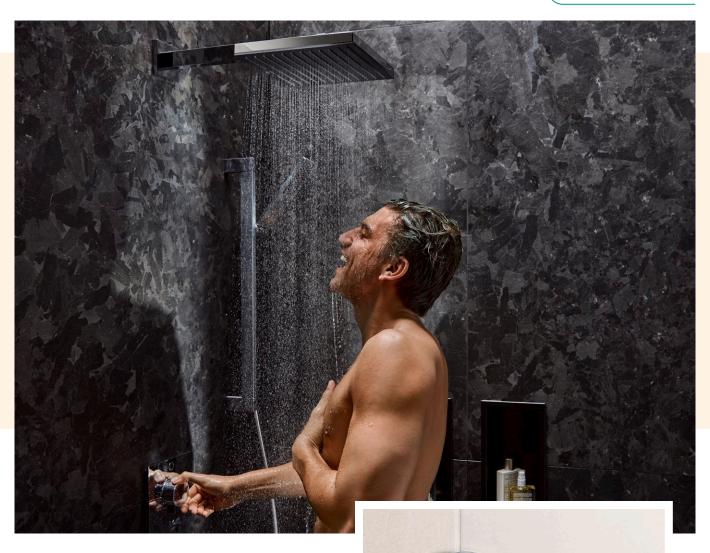
SHOWERSELECT **COMFORT**





LEARN MORE -





Happiness at the touch of a button.

A concealed thermostat with Select function that constantly compensates for fluctuations in temperature and allows conscious use of the water volume. This reliably ensures a pleasant shower experience at the desired temperature and prevents valuable water from being wasted through constant adjustment. Its elegant design is available in three geometric shapes and turns the shower into an artistic eye-catching piece.

SHOWERTABLET **SELECT**





LEARN MORE -



More space for shower lovers.

A user-friendly thermostat with integrated shelf and an ideal shower solution for the conscious use of water, as the thermostat can easily reduce the water volume by around 20 percent. Select buttons also ensure the shower can be switched on and off in record time, and the shower heads or spray modes can also be changed without water loss. CoolContact prevents the housing from heating up to ensure maximum safety.



ECOSTAT E







Clever savings aid, quickly installed.

A safe thermostat for everyone who wants to upgrade their bathroom in an uncomplicated and sustainable way. The elegantly designed concealed solution impresses with reliable temperature and water volume regulation as well as EcoStop and SafetyStop functions.

CoolContact technology prevents the shower housing from heating up.

LEARN MORE







START COOL – SAVE ENERGY

hansgrohe CoolStart faucets are eco-friendly because only cold water runs when the handle is in the center position – whereas with standard faucets in the basic position, hot and cold are automatically mixed and energy is consumed immediately. The result: A reduction in resources consumed, CO₂e emissions emitted, and money spent.

SAVE WATER AND ENERGY







EcoSmart

Saving resources with pleasure! The clever EcoSmart technology reduces the water consumption of all hansgrohe lavatory faucets to around 5 l/min at 3 bar. EcoSmart+ products consume even less at just 4 l/min. This ensures a conscious use of water and the energy required to heat the water. All without loss of comfort.



Sensor Activation

The sensor on this contactless faucet acts like a motion sensor as it responds to changes in the infrared rays and immediately turns off the water once it stops detecting warmth from hands. This solution is economical, ecofriendly, contactless. And hygienic – perfect for public spaces.





AirPower

Mixes generous quantities of air into the water. The enriched droplets are light droplets that caress the skin. The water feels lovely and luxurious, even though less water is consumed. The efficient spray also causes less splash, reducing the need to clean the sink.





Reduce your CO₂e emissions with a Cool Start.

Roughly 90 percent of CO_2e emissions in the bathroom occur in the utilization phase, i.e. through the provision of hot water for the shower, bath tub, and wash basin. An example calculation: A household of four that heats water with gas can use 23 fewer kilograms of CO_2e each year with a CoolStart faucet than with a conventional faucet.



508 kWh less consumption per year23 kg less CO₂e per year61.97 euros saved per year

The basis for these calculations can be found here.





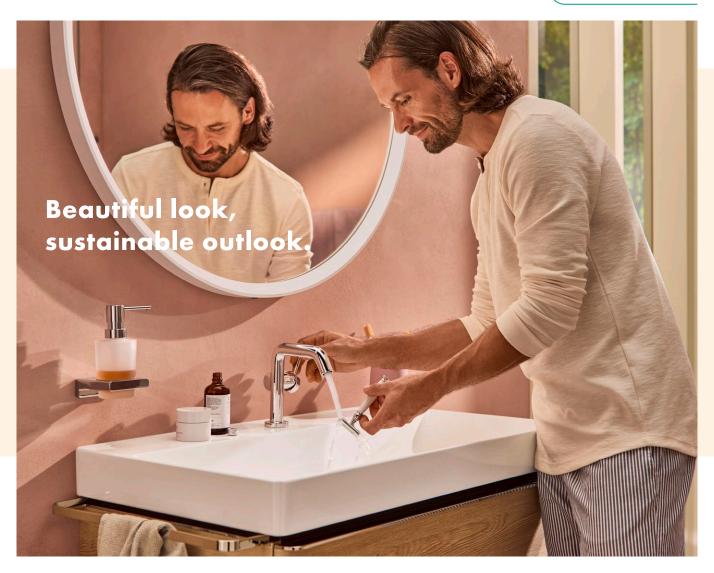
TECTURIS





LEARN MORE -





Beautiful design with an environmental bonus: Thanks to hansgrohe EcoSmart+ technology, Tecturis uses up to 20 percent less water than our standard EcoSmart faucets - without compromising on comfort.

> Whether soft and gently rounded (left) or bold and linear (right): Tecturis reflects a range of design preferences and different properties of water. All models come with clever CoolStart technology.







Rebris S









LEARN MORE -

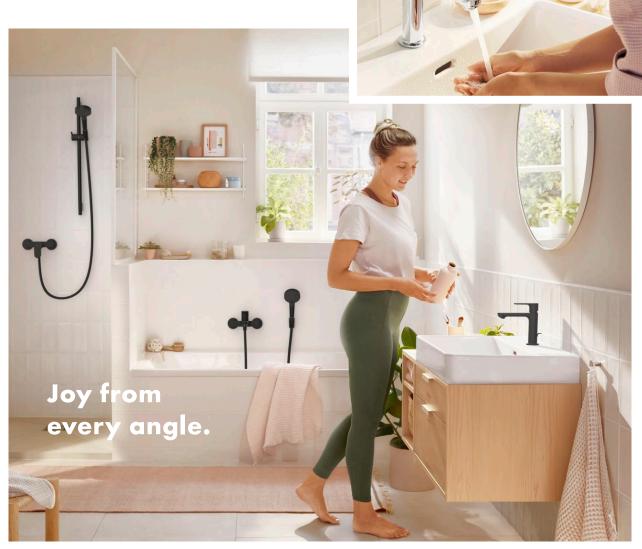




Rebris E

A decision that feels good, every day.

Whether you want harmonious and soft shapes or bold, clean lines, you can always find the exact design to go with your bathroom here. The versatile Rebris faucet categories are sleek allrounders featuring a wide variety of products. Water- and energy-saving **EcoSmart+** and CoolStart models are also available in the varied product range.



FURNITURE



Xevolos E & Xelu Q furniture is characterized by a constant improvement of production processes and the use of environmentally friendly materials.



The wood components used in the Xevolos E and Xelu Q bathroom furniture series are PEFC certified and proven to originate from sustainable forest management. The hansgrohe furniture lines are DGM certified and have been awarded the following labels: "Golden M," participation in the "Climate Pact for the Furniture Industry" (CO₂e footprint), "Furniture Made in Germany", and the "Emission Label for Furniture" (category "free standing cabinets": hansgrohe meets the requirement of emission class A). Thanks to the use of plastic-free packaging, our furniture makes an important contribution to waste management.











Xarita mirrors -

Seeing the world in a more sustainable way.

LEARN MORE -







All Xarita mirrors are CE/UKCA-compliant and the glass is 100 percent recyclable. The energy-saving LEDs in energy class C with a service life of 50,000 hours, installed in the light strip of the direct lighting, ensure very good color rendering. The mirrors are designed so that individual components such as LEDs, the power supply unit, defog system or controllers can be easily exchanged and replaced. The mirrors are also resistant to damp rooms and meet the standards of the IP44 splashproof rating. This makes Xarita an excellent long-term companion.







FOR A SUSTAIN-ABLE LIFESTYLE

hansgrohe also helps in the kitchen: With clever technologies that use water and energy efficiently. For example, water can be filtered, mineralized, carbonated, and cooled using the innovative Aqittura M91 faucet. Great drinking water for a natural balanced life, without the need for carrying crates and producing plastic waste.

SPRAY MODES

and technologies





EcoSmart kitchen

hansgrohe faucets with a flow limiter **only use 6 l/min** – significantly less water than our conventional faucets, without any loss of comfort. Since much less water needs to be heated, EcoSmart also reduces energy costs. What a great way to conserve resources!



CoolStart

With hansgrohe CoolStart faucets, hot water only flows when you actively move the lever – whereas standard faucets immediately consume energy with the handle in the basic position. CoolStart therefore automatically reduces resources, CO₂e emissions, and costs. Very ecofriendly!





EcoSelection

With this patented hansgrohe cartridge, the water output at the sink can be reduced by up to 50 percent. If more water needs to flow, it first needs to overcome a little resistance. The cartridge is made of high-quality ceramics to allow smooth movement of the faucet handle.





SatinFlow Strahl

Resource-saving, micro-fine spray mode that can be used to clean delicate foods extremely gently. The wide, precise and water-saving spray flows from the base of the faucet and into the sink with little splashing.

AQUNO SELECT M81

LEARN MORE -



Sustainability redefined.

The most efficient kitchen faucet in the hansgrohe range - without any compromise in terms of performance. Not only is the SatinFlow shower spray gentle on fruit, vegetables, fish and meat, but with an optimized flow rate of 4 l/min, it is also very resource-friendly.



ZESIS M33









LEARN MORE -





Saves water and energy.

This kitchen faucet supports a sustainable lifestyle. The EcoSmart model limits the flow rate to 6 l/min maximum, at full power. CoolStart technology is also available, so hot water will only flow when you really need it. Thanks to EcoSelection water consumption can be effortlessly reduced by up to 50 percent, making it even easier to save water and energy.

AQITTURA M91

With this kitchen innovation, water can be filtered, mineralized, cooled or carbonated direct from the faucet for refined drinking water immediately available at all times. Water that no longer needs to be filled, packaged, and transported significantly reduces the CO_2e footprint. And for more sustainability in future-

oriented households, reducing plastic is one of the top priorities. Even the hansgrohe CO₂e bottle is recyclable, which makes it even easier to be eco-friendly. The Aqittura M91 faucet design comes in two versions, round and square, as well as with different functions.





UP TO 4,000 LITERS

of refined drinking water with a recommended service life of twelve months.



Finding the system that suits.

Water refinement by hansgrohe is available in two designs. The Agittura M91 SodaSystem is a combination of all the benefits. It can be used to filter, mineralize, and carbonate water - sometimes sparkling, sometimes medium, sometimes still. Water can be cooled to between four and twelve degrees Celsius or carbonated at the touch of a button directly at the faucet outlet. The system can be monitored and set smartly via the hansgrohe home app. If you don't want sparkling or cooled water from the tap, the Aqittura M91 FilterSystem is the right choice for you. It filters and mineralizes your drinking water to suit your personal taste and lifestyle.

LEARN MORE -





CREATING THE FUTURE NOW

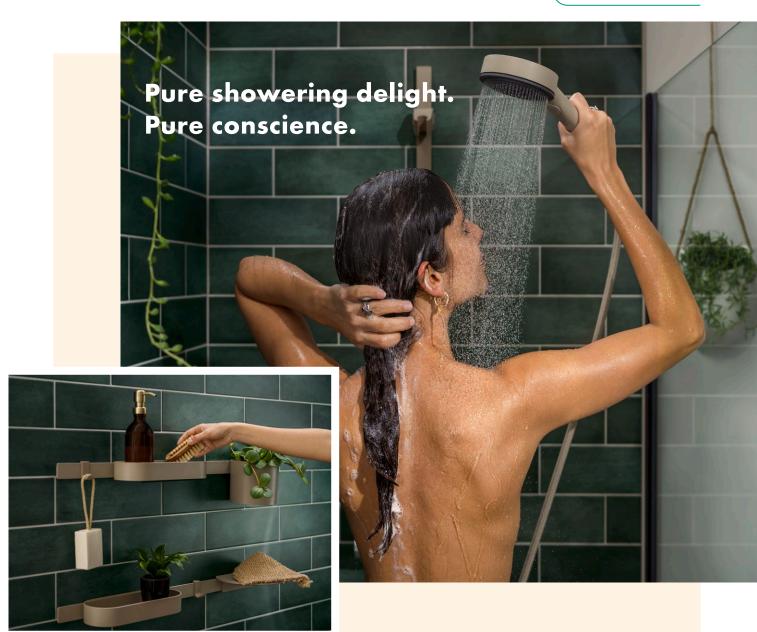
The Hansgrohe Group aims to conserve resources as much as it can within its sphere of influence. Resources that are becoming increasingly scarce on Earth or whose consumption is fueling global warming. That's why we have started to manufacture products based on the idea of the circular economy. With our Green Vision concept study, we want to encourage the entire industry to discuss and develop their own, and possibly even wider-reaching, ideas for a better climate protection.

PULSIFY PLANET EDITION





LEARN MORE -



Making the Whole Shower Sustainable.

The hansgrohe Planet Edition includes products from the **Pulsify, WallStoris,** and **Designflex** lines. With their earthy warm look, they fit into any bathroom ambiance and show how well environmental awareness and value for money can form perfect harmony.

Planet Edition means: Conserving resources in all areas of the product life cycle. We play our part in the circular economy through our use of recycled materials*, all while maintaining the known hansgrohe standard and showing that waste isn't waste until we waste it.

*Shower handle, WallStoris accessories, hose fiber



Closing the cycle.

True to the sustainability principle of "Reduce, Reuse, Recycle", the handle of the Pulsify hand shower is made of recycled plastic. The unique process for extracting this raw material was specially developed by hansgrohe. This plastic copolymer ABS (acrylonitrile butadiene styrene) obtained from used products and rejects is shredded and cleaned. It is then transformed into a high-quality granulate. This alternative to petroleum- and fossil-based primary plastics achieves a significant reduction in energy consumption during production. The material offers a unique look and elegant appearance in sandy colors. The hand shower is manufactured completely free of chrome. All raw materials used are recyclable.



Hansgrohe's

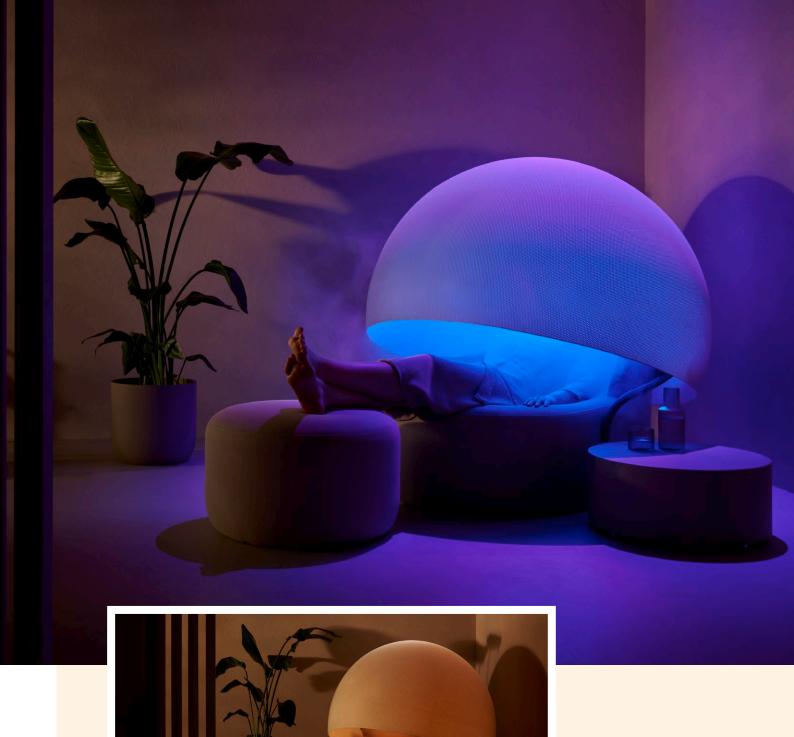
GREEN VISION

Beyond Water

Individual wellness needs are in clear competition with the growing need to conserve water. An internal conflict for all of us. Hansgrohe's Green Vision is one possible solution. It separates hygiene and wellbeing, thus enabling **unlimited**, **almost waterless regeneration**. It consists of two bathroom platforms: BASE is there for personal hygiene; SPHERE is a space for mental retreat.

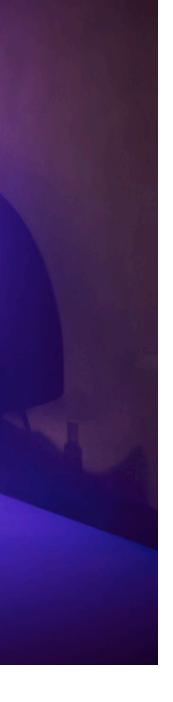
Green Vision is a **concept study with real future potential.** The technical innovations of the individual modules are already being incorporated into product development for the AXOR and hansgrohe brands. However, other elements are yet to materialize due to existing legal regulations.





SPHERE – space for mental hygiene

Our vision also includes an innovative wellness area: SPHERE. This offers people their own space for mental regeneration in a futuristic lounge chair with a dome that provides a feeling of intimacy. Instead of a resource-intensive full bath, SPHERE creates an almost waterless experience which appeals to all senses: A combination of light, relaxing sounds and essential oils dissolved in warm steam.









BASE – space for physical hygiene

Our visionary hygiene area combines all modules that are used for cleaning the body into one single platform. A shower that only consumes 10 l/min, a wash basin and a toilet stool are located within just a few square meters. Each module has several functions: The shower enables the head and body to be showered with pH-neutral, skinfriendly water, which requires almost no shower gel. The illuminated shower head features a display showing how long the water will last. The wash basin combines three spray modes; two of which use cold water only. The separating toilet uses shower water to flush and makes toilet paper redundant.

Would you like an overview of the entire hansgrohe product range?

DISCOVER ALL OF OUR PRODUCTS ->













Discover hansgrohe online and on social media.

Headquarters

Hansgrohe SE · P.O. Box 1145 · D-77757 Schiltach Tel. +49 7836 51-0 · Fax +49 7836 51-1300 $in fo@hansgrohe.com \cdot hansgrohe\text{-}int.com$