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## Hansgrohe – The “Green” Behind the Green Logo

Hansgrohe focuses on sustainability worldwide, but not just from an economic standpoint. Long before “Green” became fashionable, Hansgrohe was implementing environmental friendly concepts in manufacturing practices and products. As a matter of fact, the company has employed an Environmental Officer since 1989.

**EcoRight** products are, put simply, “right” for the environment. At Hansgrohe, we realize that protecting our natural resources and reducing the environmental impact of both products and manufacturing are serious parts of our company’s heritage and future.

Yet **EcoRight** products exhibit more than just water saving functionality; they are engineered with Hansgrohe’s commitment to high quality and excellent performance. As a result, each EcoRight product features technical innovations that ensure excellent performance as well as an eco-friendly impact. Bottom line: Hansgrohe proves that you don’t have to sacrifice an invigorating shower or stylish designs just to be more environmentally conscious.



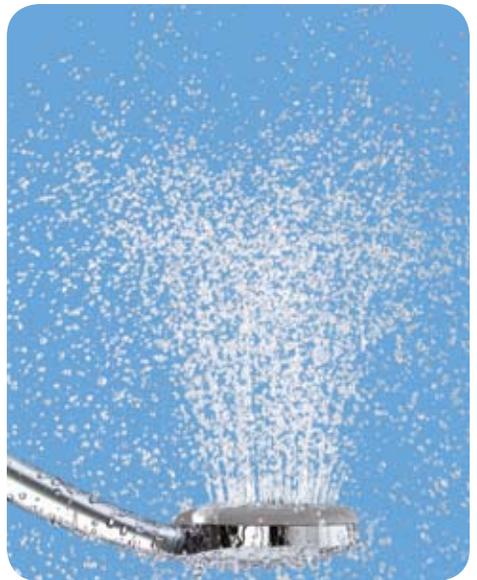


## EcoAIR™ Technology

Hansgrohe employs our EcoAIR technology to deliver water savings without sacrificing performance. The key is our patented air-injection technology, which enhances flow and volume even though the products use between 30% - 36% less water. With EcoAIR, the performance of every spray mode is augmented with air. The products draw surrounding air into the shower, resulting in larger drops that coat the skin and an air boost to spray intensity. Water savings plus performance: it's responsible, it supports sustainability and it's right for projects of all sizes.



Without EcoAIR



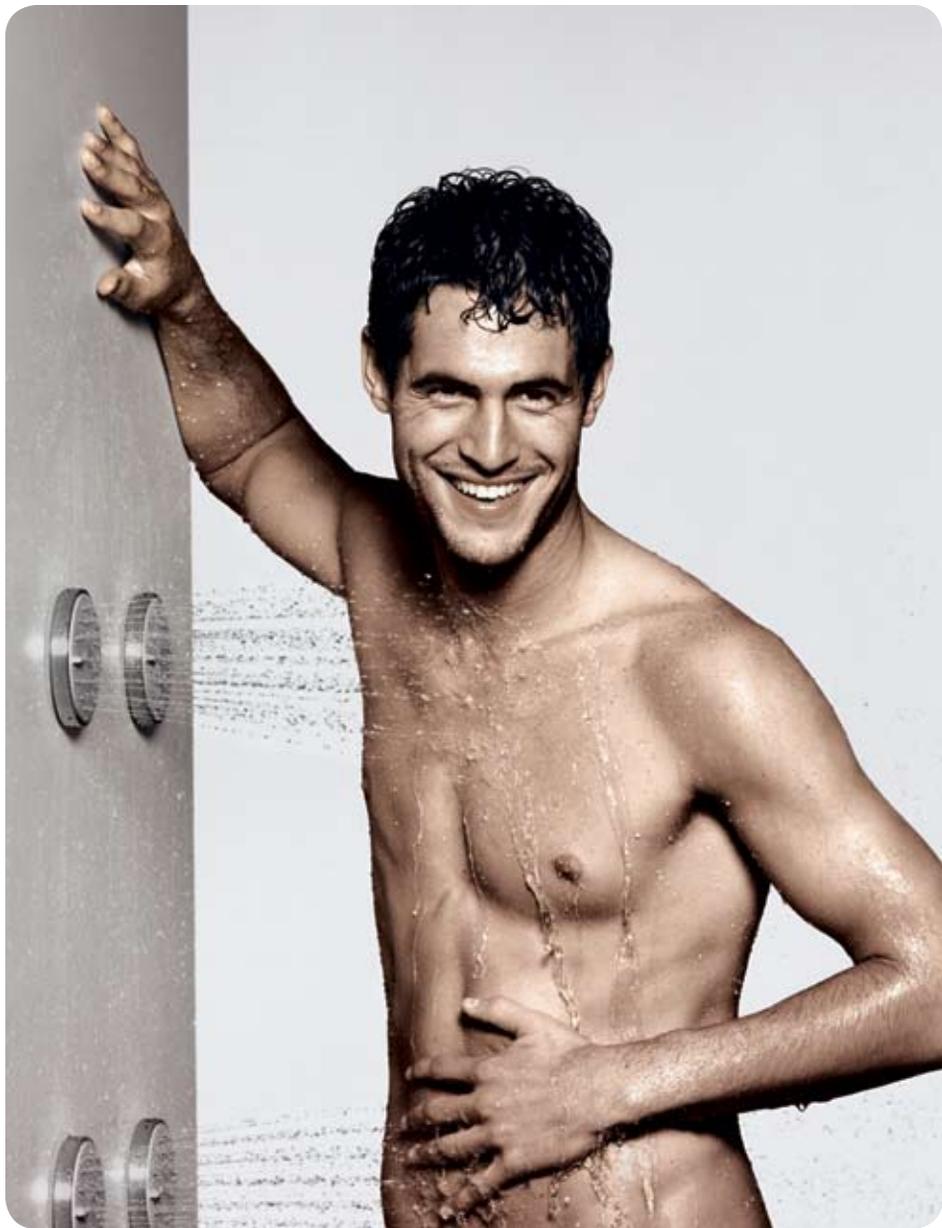
With EcoAIR

## Croma Green Showers: 30% - 36% Water Savings

Hansgrohe's Croma Green handshowers and showerheads provide the full, drenching coverage of a conventional high-end product, but at a water-saving flow rate of only 1.6 to 1.75 GPM. These environmentally friendly showers feature Hansgrohe's award-winning and innovative EcoAIR technology for enhanced "water saving" performance. With average 10-minute showers, EcoAIR products could save a family of three over 8,000 gallons of water per year. Plus, we offer a variety of styles (E for transitional style, C for traditional design), several finish options, as well as models with invigorating multiple spray modes. Best of all, these products are available at a price that meets any budget, even with the high-end technology and characteristic Hansgrohe quality.







## Raindance® AIR Bodysprays: 50% Water Savings

Adding a touch of luxury to a green shower is possible with Raindance AIR bodysprays. The bodyspray features EcoAIR technology, which provides excellent volume (feel of 2 GPM) while only using 1 GPM. Compared to the average 2 to 2.5 GPM of most bodysprays, your water savings are 50% or more. Plus, its functionality makes it even more appealing. Unlike most bodysprays that operate on a rotating ball-joint, this bodyspray mounts flush to the wall and features a rotating spray face with slanted spray channels, so all users have to do is rotate the spray face to change the direction of the water.





## Electronic & Metered Faucets: 40% – 77% Water Savings

Hansgrohe has a selection of electronic faucets ranging in styles and finishes to meet the growing commercial and residential demands for this type of product. Extremely eco-friendly and reliable, electronic faucets save users 1 GPM, while metered faucets save a whopping 2 GPM. In addition to being “low flow” faucets, the “green” benefit of an electronic/metered faucet is that it automatically shuts itself off to further prevent wasting valuable water. Plus, with Hansgrohe’s leading competence in creating design-oriented products, the company’s electronic faucets are also stylish and feature sapphire glass over the sensors to ensure a lifetime of reliable performance.



## Faucet Aerators: 10% – 32% Water Savings

Hansgrohe's low-flow aerators ensure constant water use at 2.2 GPM, meeting all national conservation codes. The low-flow aerator is available standard on all Hansgrohe bathroom faucets.

In addition, Hansgrohe offers optional low-flow aerators\* that can be installed on almost any Hansgrohe faucet. These aerators reduce the standard flow of 2.2 GPM to 2 GPM or 1.5 GPM, depending on the one you choose. Installing the new aerator enables you to save 10% or 32%, respectively.

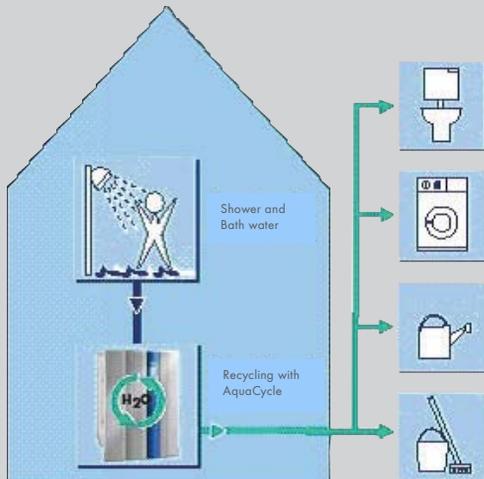




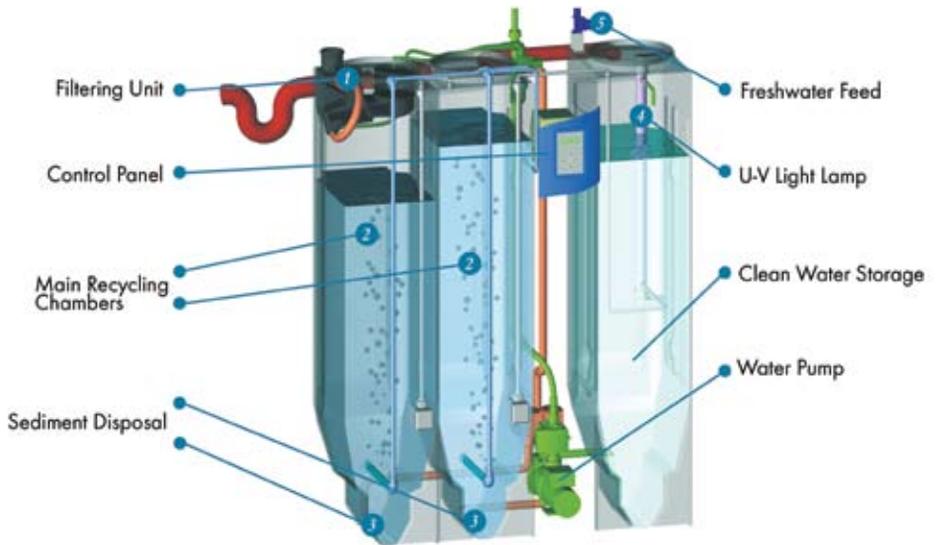
## Pontos: Recycling Grey Water System for Double Use

Compact water recycling systems are now available for commercial or residential applications with Hansgrohe's Pontos AquaCycle\*. The product range includes systems with a reprocessing capacity of between 237 to 3,300 gallons of water per day, giving AquaCycle systems the adaptability to work in projects ranging from apartment complexes to hotels. The roughly cabinet-sized basic model cleans domestic shower and bath water naturally using an organic, non-threatening biological technique. The hygienically clean water, or gray water, can then be used to do the laundry, water the garden, clean the house and flush the toilet.

\* Not yet available in the US



## Pontos Aquacycle



The water recycling plant works with the SmartClean® treatment: a fully automatic biologic-mechanic four-stage treatment.

- 1 Pre-filtration in chamber 1
- 2 Pre-recycling in chamber 2
- 3 Main recycling in chamber 3
- 4 UV-sterilization in chamber 4



## Solar Power: Clean Energy for Hansgrohe's Offenburg Plant

Since 1993, Hansgrohe has powered its production facility in Offenburg, Germany, using environmentally-friendly solar energy equipment. The photovoltaic power generator produces enough electricity per year to supply 40 single-family homes with power.

The electricity from the solar energy is fed in its entirety into the Offenburg plant's power grid and is utilized in eco-friendly shower manufacturing. The power generator reduces roughly 100 tons of greenhouse gases per year.





## **Green Manufacturing**

Hansgrohe has taken many steps towards reducing manufacturing material wastes, especially with the nickel and brass used in faucets and the plastics used in the molding of showerheads and handshowers. The company worked with researchers and universities to evaluate the environmental impact of waste and to find ways to recover it and use as much recycled material as possible. By 2004, the company was reutilizing over 85% of material wastes that would have otherwise been scrapped and impacted the environment.



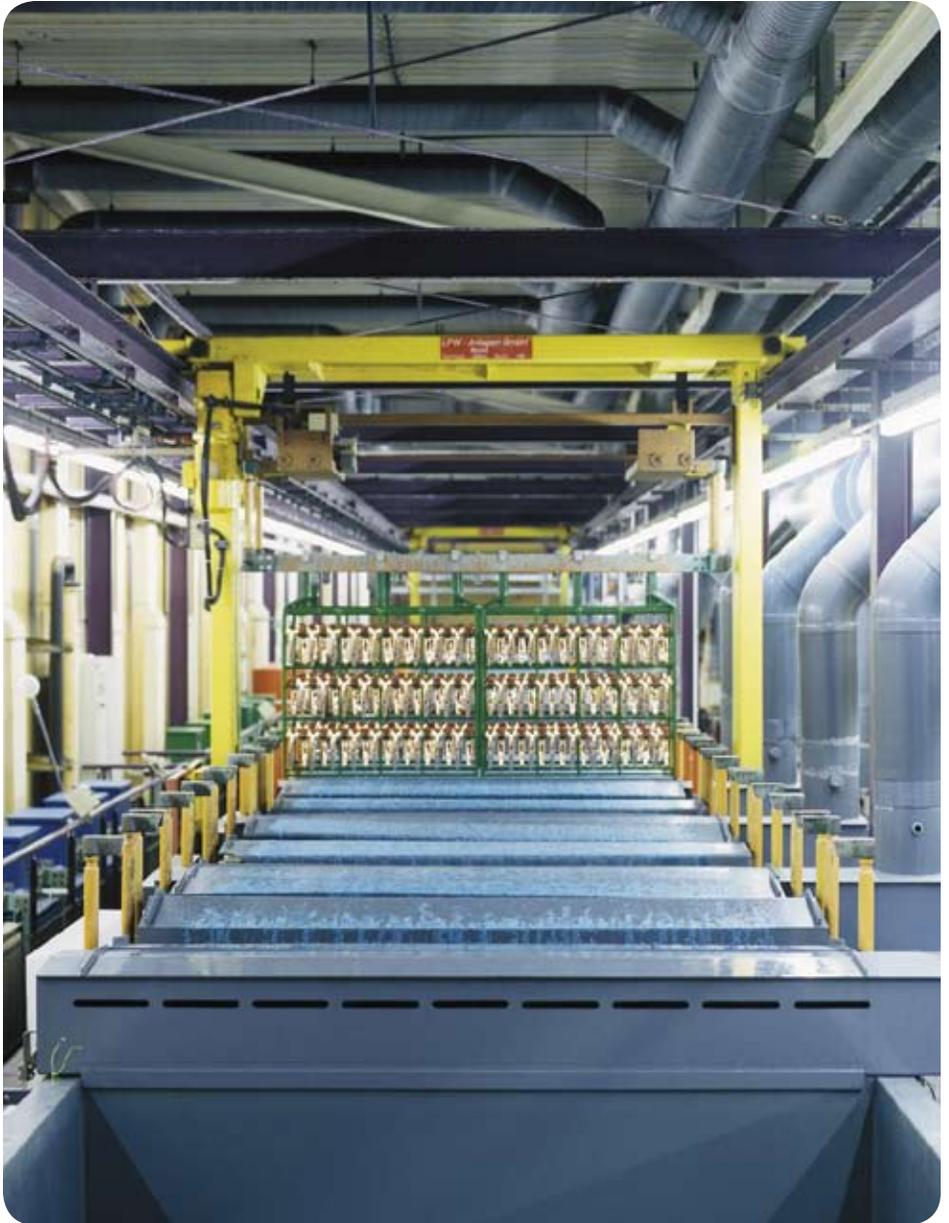
## Certified Results

Hansgrohe places the highest priority on maintaining a safe work setting for employees, protecting our environment and manufacturing top-quality products. As a result of our efforts in all of these areas, Hansgrohe earned three international certifications: ISO 9001:2000 (Quality Management System), **ISO 14001 (Environmental Management System)** and OHSAS 18001 (Safety and Health Management System). Hansgrohe is among the few companies in all industries in the United States to achieve all three certifications, highlighting our active commitment to world-class operations and eco-friendly manufacturing.

## Changing the Face of Plating

The Hansgrohe Group holds numerous patents related to coating technology and frequently plays a pioneering role without being restricted by the boundaries of the trade. A completely new metallization technique for plastics was developed in 2004, for example. The company invested nearly 2.5 million Euros in the new manufacturing method, which not only reduces the harmful effects on the environment and on personnel, but also on production costs – and improves the quality of the product at the same time.

This innovative technique is made possible by an electrochemical process containing virtually no chrome VI and requires no purely chemical nickel-plating at all, unlike conventional techniques that use large amounts of chromic acid. This results in a considerable reduction in the contamination of outgoing water and air. It also requires less energy as the working temperature of the process bath is around 50 to 59 degrees lower than that of baths used in the traditional processes.



<b>Product Name</b>	<b>Part Number</b>	<b>Gallons Per Minute</b>	<b>Water Savings</b>
<b>Shower</b>			
Croma™ E 75 Green Showerhead <sup>1</sup>	06498000	1.6	36%
Croma™ E 75 Green Handshower <sup>1</sup>	06497000	1.6	36%
Croma™ E 100 Green Showerhead <sup>1</sup>	04081000	1.75	30%
Croma™ E 100 Green Handshower <sup>1</sup>	04083000	1.75	30%
Croma™ C 100 Green Showerhead <sup>1</sup>	04080000	1.75	30%
Croma™ C 100 Green Handshower <sup>1</sup>	04082000	1.75	30%
Raindance® AIR Bodyspray	28477001	1	50%
Raindance® AIR Bodyspray Square	28472001	1	50%
<b>Aerators</b>			
Aerator Insert Only	88715000	1.5	10% - 32%
Aerator with Chrome Housing	88716000	1.5	10% - 32%
<b>Metered Faucets</b>			
Single-Hole Metered Faucet with Adjustable Temperature Control	15090001	.5	77%
Single-Hole Metered Faucet with Pre-set Temperature Control	15097001	.5	77%
<b>Notes:</b>			
1. The national standards is 2.5 GPM for showers and 2.2 GPM for faucets.			
2. Because electronic faucets shut off by themselves, actual water savings could be as high as 60%.			

<b>Product Name</b>	<b>Part Number</b>	<b>Gallons Per Minute</b>	<b>Water Savings</b>
<b>Electronic Faucets - Adjustable Temperature Control<sup>2</sup></b>			
Axor® Starck X Electronic Faucet	10170001	1.5	40%
Axor® Starck X Electronic Faucet 110V	10180001	1.5	40%
Axor® Starck Electronic Faucet	10101001	1.5	40%
Axor® Starck Electronic Faucet 110V	10145801	1.5	40%
Electronic Faucet	15100001	1.5	40%
Electronic Faucet 110V	15180001	1.5	40%
Metris™ S Electronic Faucet	31100001	1.5	40%
Metris™ S Electronic Faucet 110V	31102001	1.5	40%
Talis™ S Electronic Faucet	32110001	1.5	40%
Talis™ S Electronic Faucet 110V	32112001	1.5	40%
<b>Electronic Faucets - Pre-set Temperature Control<sup>2</sup></b>			
Axor® Starck X Electronic Faucet	10175001	1.5	40%
Axor® Starck X Electronic Faucet 110V	10185001	1.5	40%
Axor® Starck Electronic Faucet	10106001	1.5	40%
Axor® Starck Electronic Faucet 110V	10140001	1.5	40%
Electronic Faucet	15101001	1.5	40%
Electronic Faucet 110V	15181001	1.5	40%
Metris™ S Electronic Faucet	31101001	1.5	40%
Metris™ S Electronic Faucet 110V	31103001	1.5	40%
Talis™ S Electronic Faucet	32110001	1.5	40%
Talis™ S Electronic Faucet 110V	32113001	1.5	40%

To view Hansgrohe's entire product offering or find a dealer in your area, please visit [www.hansgrohe-usa.com](http://www.hansgrohe-usa.com). If you have questions about Hansgrohe products and services or want to order a full brochure, e-mail [info@hansgrohe-usa.com](mailto:info@hansgrohe-usa.com).



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