Biomimicry: Randomized patterns developed by nature

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Our design exploration began with the study of rain itself, everything from the shift in the air before it rains to the scent of the earth after. Rain, we discovered, is always about the drop. It begins and ends with drops. Drops that differ in size and speed. Drops that fall in no particular pattern.

REAL RAIN™

Sometimes a design idea takes us by surprise. An idea that by its sheer audacity or brilliance demands to be explored. Real Rain is the result of our desire to capture the experience of rain and bring it inside, to re-create a summer rain that takes us back to moments of pure joy.

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To replicate the gentle building of a rain storm, Real Rain is designed with a water reservoir that relies on gravity at its core rather than a pressurized spray to shape the individual drops of rainfall. When the reservoir fills, water spills into the remainder of the showerhead, covering 775 nozzles. Gravity does its job, and raindrops begin to fall softly, slowly through concave nozzles. They grow in strength and speed until the shower feels, sounds and looks like a warm summer rain.
In our exploration of rain, we wanted to push the design a bit further and capture that moment in a storm when the sky opens in a sudden energetic burst of heavy rain. The deluge feature is designed to store a gallon of water while the primary rain feature is running. And then, with the push of a button, an exhilarating deluge of water is released in a warm drenching burst, a half-gallon of water pouring over you for eight seconds.

A byproduct of the reservoir design, the nozzles at the center of the showerhead are engaged only when the deluge feature is operating. This allows us to provide a circular, rain-free zone for the face. Because of the reservoir and gravity dynamic, we also are able to provide the full experience of a rainfall while keeping the water use to an exceptionally efficient 2.0 (7.6 L) gallons per minute.

In terms of the final sprayface, this is a pure case of form following function. The simplicity of the showerhead, with its silicone sprayface and hundreds of randomly dispersed nozzles, is the shape that makes the experience possible. Real Rain successfully mimics the multitude of complex factors that come together to deliver a warm, welcoming rainfall.