

Stubborn Tap



知水
Stubborn Tap

便捷性上退一步，节约水资源上进一步
Step back a bit but save more water

有些时候，我们也需要退一步，牺牲一点点体验、一点点便捷性，通过设计，对一些诸如浪费资源的行为产生有形或无形的阻力，换回对环境和资源的友好。该设计的亮点在于，通过简单而低成本的方式，改造水龙头开关，对使用自来水时的浪费行为产生真实的阻力，同时通过表盘的设计，对使用者的浪费行为产生心理上的阻力，达到节约用水的目的。

The products around us are easy to use, but sometimes the convenience of use also brings waste and abuse. Therefore, we may need to step back a bit, give some restrictions to human behaviors to save more resources.

Stubborn Tap aims at saving water. It transforms the traditional inner structure a bit to generate resistance. When the users are using Stubborn Tap, they can feel the resistance from the tap, thus may potentially lessen the use of water.

细节说明图
Details



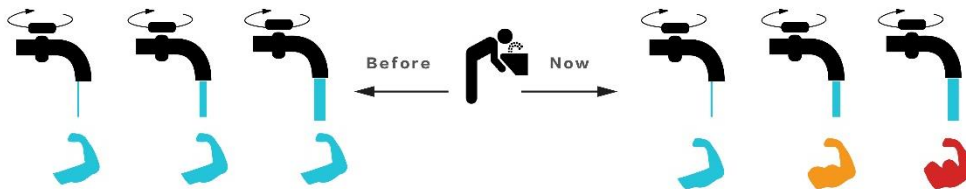
转动水龙头开关把手时，用力越大，转动角度越大，出水量也越大。以往的水龙头开关，轻轻一拨，就很容易调到最大处，换成这种开关方式后，如果用户需要调大水流量，就要不断加大用力。这种不断增大的阻力，对使用者浪费用水产生了一定阻碍作用。

由水流带动的表盘，通过快速转动的指针，展示当前流速和用水量。通过呈现在眼前的实时反馈，给使用者制造一种紧张感，通过这种可及时感知的心里压力阻止人们浪费自来水，从而引导使用者调小开关，缩短用水时间。

Usually, when we turn on the tap, we don't have to use too much strength and we can easily rotate the handle. The traditional way of using a tap is convenient, yet what comes together is a waste of water. Stubborn tap works differently. It aims at saving water, the more we rotate, the more strength we need to use. With the increasing resistance, the users will unconsciously lessen their usage of water.

There is a panel on the top of the tap, which coordinates with the resistance of the handle, showing the current water speed and consumption. Viewing the panel status, the users will feel the pressure of using water, then may potentially save more water.

场景对比图
Context description



在以前我们可以不费劲地调大水龙头。
Before, if we want to use a larger flow of water, it is easy.

现在，我们需要用越大的力才能把水龙头调得越大。
Now, we should use more strength to enlarge the water flow.

Compared with the traditional taps, Stubborn tap requires different levels of strengths to turn on the water flow. If the users want to increase the water flow, they need to subtly increase their strengths as well. This practice will guide the users to control their water usage instead of effortlessly turning on the water flow. Meanwhile, there is a panel on the top of the tap to measure the water flow, which provides realtime feedback for the users. Then the users will feel the pressure of water usage and gradually change their behaviours.

这款水龙头与普通水龙头相比，不同之处在于，它的水龙头开关是随力量变化的，要想把水龙头开得更大，就需要施加更大的力推动开关，这种阻力的设置，有利于人们按实际需要选择水流量大小，而不是很轻松地就一下开到最大。同时在水龙头顶部正对视野方向，设有水流量实时检测的表盘，当开关开得比较大时，水流带动表盘快速转动，给使用者以及时的反馈，这种反馈带来的紧张感，对使用者浪费用水产生心理压力，进而影响其行为。