

## Application No. 378: Filling a bathtub properly

Author: C.H., Lichtenstein/Sachsen, Germany

### How to outsmart the bathtub overflow

My bathtub is simply too small! Those were my exact thoughts when I recently tried to enjoy a good soak in my tub – which, with its low water level, feels more like a sitz bath. Since neither my landlord nor my wallet would appreciate it if I were to rip the tub out and replace it with a larger one, I had to find a different solution.



My idea: It should be possible to somehow increase the water level in the bathtub. The problem is the overflow, which in my opinion is placed far too low. So I wanted to build an overflow cover that could be mounted and removed easily and would allow me to fill the tub all the way to the top.

### Materials needed:

- Front part of a plunger
- 1 block magnet each of type Q-20-20-10-N ([www.supermagnete.it/eng/Q-20-20-10-N](http://www.supermagnete.it/eng/Q-20-20-10-N)) and Q-15-15-08-N ([www.supermagnete.it/eng/Q-15-15-08-N](http://www.supermagnete.it/eng/Q-15-15-08-N))
- Silicone
- Adhesive UHU MAX REPAIR ([www.supermagnete.it/eng/WS-ADH-01](http://www.supermagnete.it/eng/WS-ADH-01))

### Assembly:

First, I inserted a Q-20-20-10-N into the front part of the plunger (where the wooden handle used to be) and sealed it with silicone.



*Note from the supermagnete team:*

Instead of the block magnet, it may be advisable to use a disc magnet with the same diameter as the indentation.



As a counterpart, I glued a Q-15-15-08-N ([www.supermagnete.it/eng/Q-15-15-08-N](http://www.supermagnete.it/eng/Q-15-15-08-N)) inside the turning handle of the tub, using UHU MAX REPAIR ([www.supermagnete.it/eng/WS-ADH-01](http://www.supermagnete.it/eng/WS-ADH-01)).



Important! Don't skimp on the glue and silicone, since the magnets will quickly start to rust.

Next, I only had to put the turning handle back on the tub.

Now, before getting into the tub, I can simply place the magnetic plunger over the turning handle, which will seal off the overflow.



To drain the tub, I just remove the plunger and open the plug by turning the handle.



The water rises higher...



...almost to the rim of the bathtub

#### Articles used

1 x Q-15-15-08-N: Block magnet 15 x 15 x 8 mm ([www.supermagnete.it/eng/Q-15-15-08-N](http://www.supermagnete.it/eng/Q-15-15-08-N))

1 x Q-20-20-10-N: Block magnet 20 x 20 x 10 mm ([www.supermagnete.it/eng/Q-20-20-10-N](http://www.supermagnete.it/eng/Q-20-20-10-N))

WS-ADH-01: UHU MAX REPAIR ([www.supermagnete.it/eng/WS-ADH-01](http://www.supermagnete.it/eng/WS-ADH-01))

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