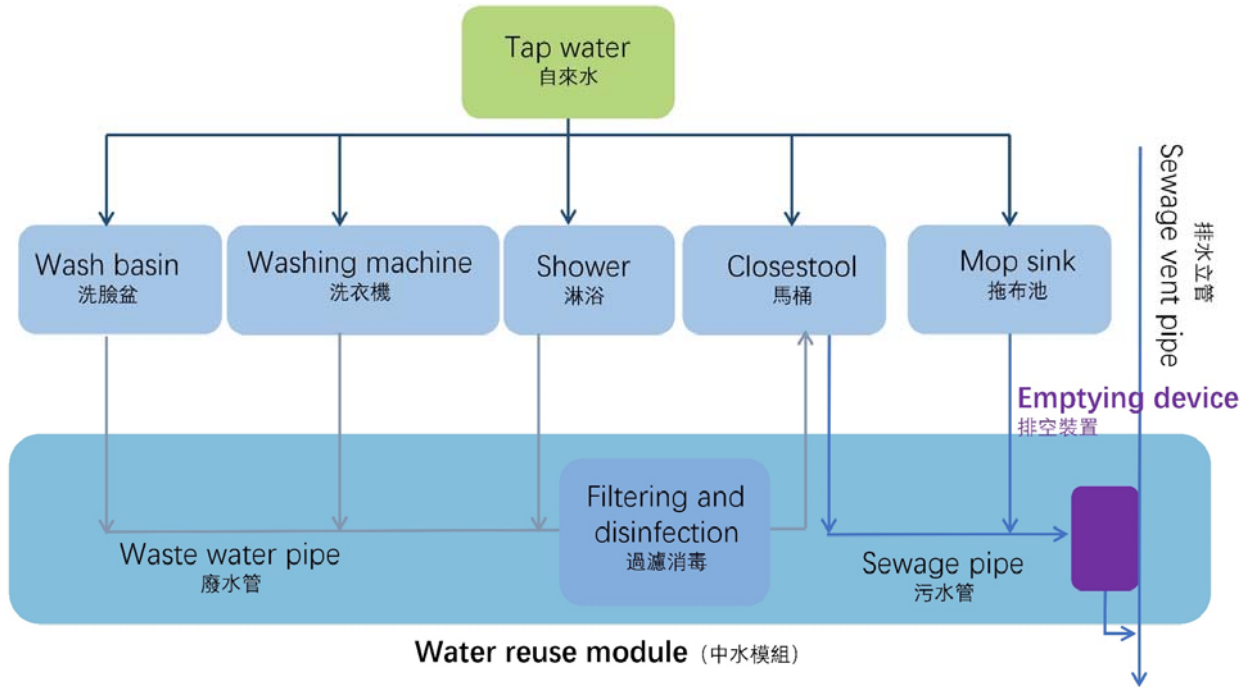


Modularized Indoor Reclaimed Water System Technology

China Architecture Design & Research Group
Beijing Mingrui Chengsheng Water Saving Technology Co. Ltd.



Schematic Design of The System 系統設計原理圖



The modularized indoor reclaimed water integration system is an original technology, which is a new technology for indoor water saving and reusing in buildings.

It's a water-saving technology that integrates the same-floor drainage with wastewater collection, storage, filtration, disinfection and flushing reuse into an all-in-one prefabricated device. It filters and disinfects wastewater, and replenishes the wastewater meeting use standards into the toilet tank for flushing, which help saving water up to about 30%. This system is independently set up in the toilet of individual household, without interference with other households. It could be automatically controlled by the built-in intelligent control system, operated simply and ready to use at any time. The system is prefabricated in plant and assembled on site, which effectively improves waterproofness and installation efficiency and guarantees system quality. As a general innovative technology, this system has been installed and used in Beijing, Henan, Inner Mongolia, Shandong and other provinces. It is suitable for both recent-built and renovated residential buildings around the world, which could be perfectly integrated with building and contribute on the worldwide water saving undertakings and sustainable development.

