



CAROLINA SHINE EQUIPMENT
RECLAIM SYSTEM BROCHURE

CAROLINA SHINE EQUIPMENT WATER RECLAIM SYSTEM



WATER RECLAIM SYSTEM INTRODUCTION

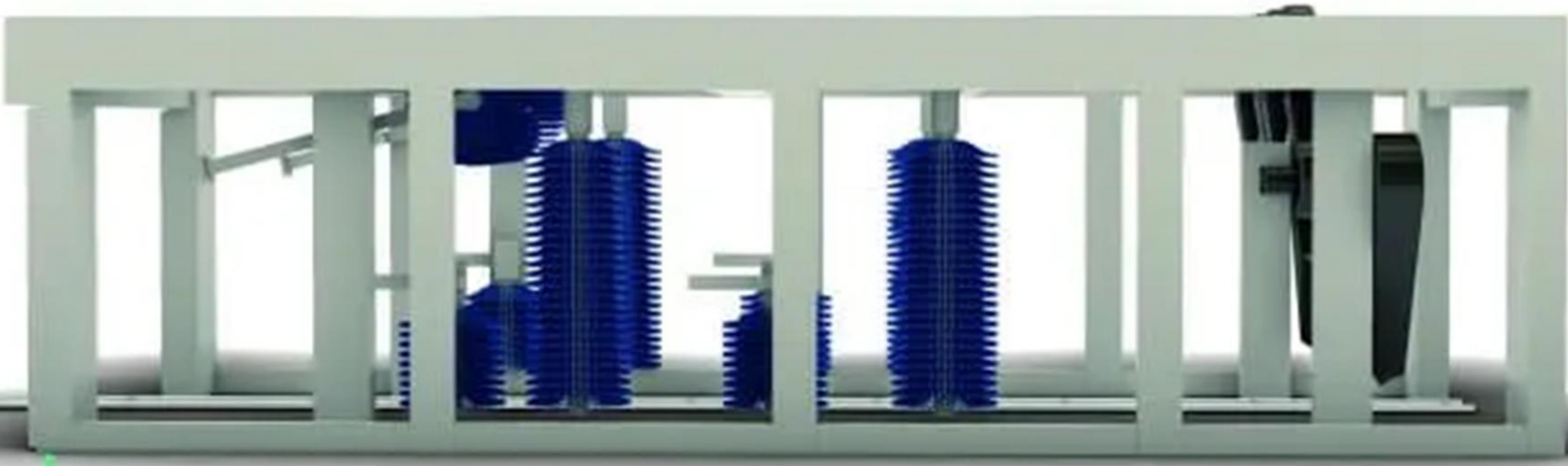
The Carolina shine equipment water reclaim system helps conserve water by reusing it during the car wash process, reducing the need for fresh water. By lowering water expenses and related supply costs, it effectively reduces operational costs for car wash facilities.

Additionally, the system promotes environmental protection by minimizing water waste and pollution, supporting sustainability. Equipped with advanced filtration and treatment mechanisms, it enhances also car wash quality by reducing water spots and residues.

Water Circulation System



Clean Water Tank



Water for
car washes

Clean
water

Clean
water

water
cycle

Rest the
pool

Rest the
pool

Sedimentation
tank

Sedimentation
tank

Defoaming
tank

Defoaming
tank

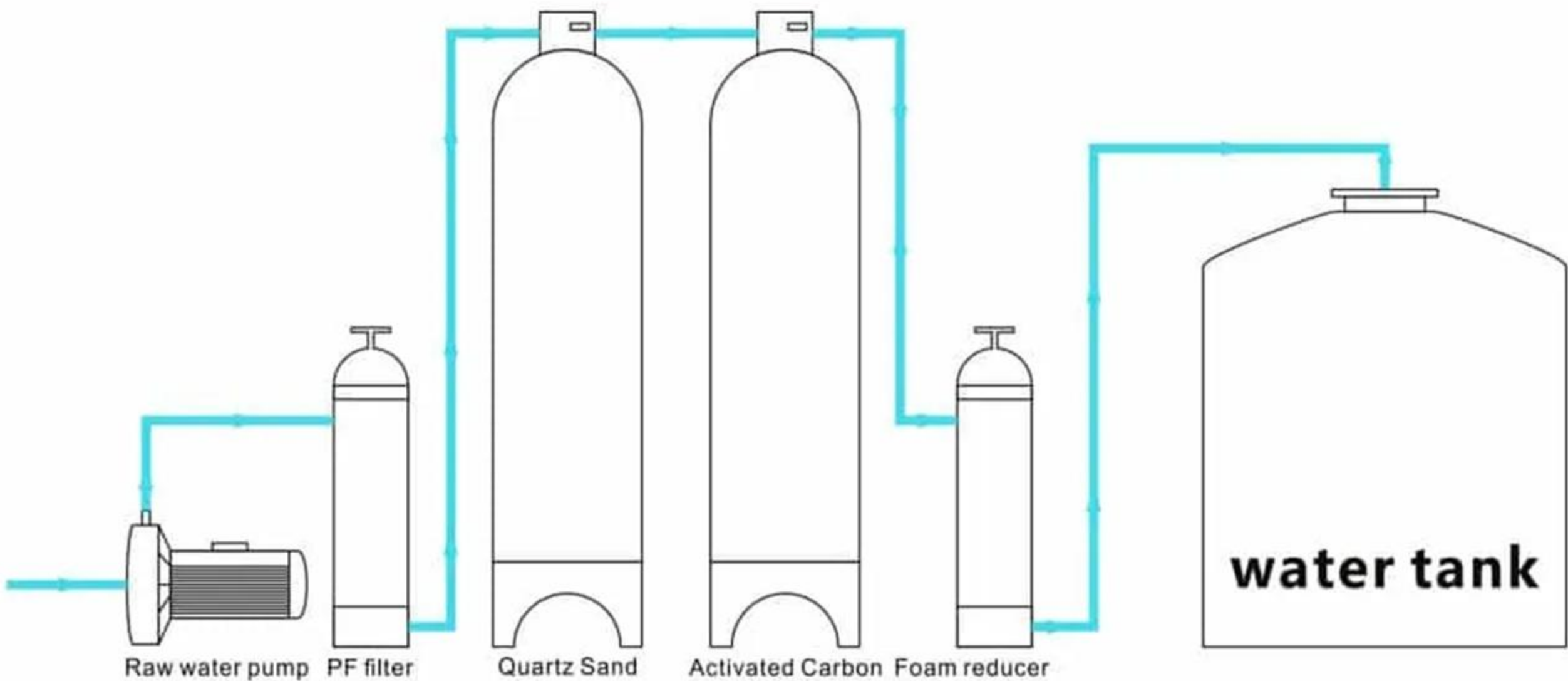
Sewage
collection



Water Recycling System



Settling ponds



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Water Reclaim System Description

Capacity: 6 tons per hour

Filtration mode: 3 stage

Power supply: 220V

Rated power: 200W

Water inlet pressure: 0.1-0.4Mpa

Unique foam reducing function

Suggested filter material replacement cycle: 1 year (depending on usage)

Dimension (L*W*H): 3'3.4" x 2'7.4" x 7'2.6"

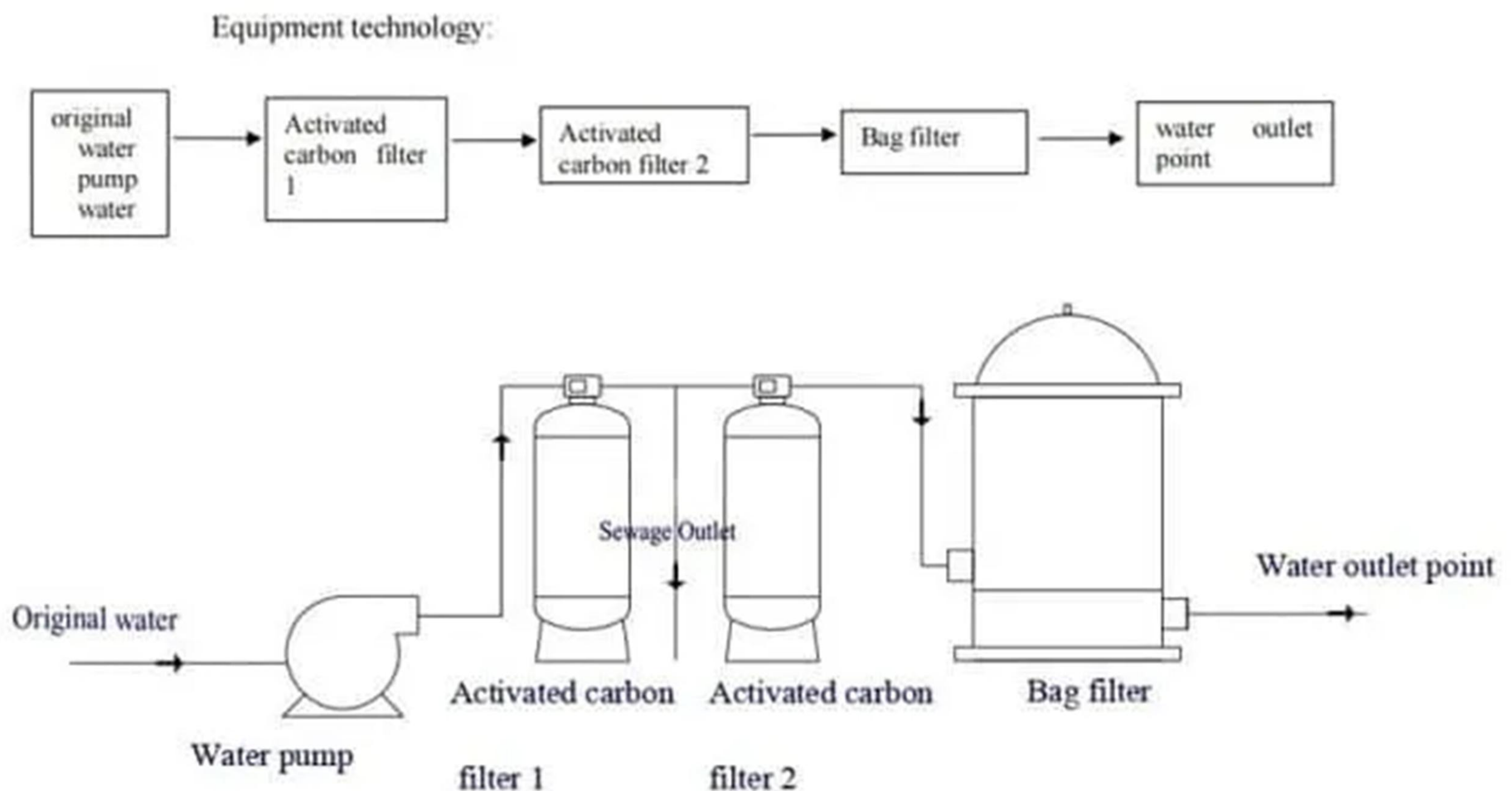
Water can be reused 10-15 times after proper process, saving up to 90% of water.



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Components and Functions of Water Recycling System



Water Tanks

Collect and store used wash water, designed to handle varying water volumes and facilitate easy maintenance.

Separation and Sedimentation

Removes larger debris and sediments, improving water quality.

Wash Water Filtration System

Uses multiple stages of filtration to remove contaminants, including:

Sand filters: Remove larger particles;

Membrane filters: Remove microscopic contaminants, with removal rates above 99%.

Disinfection

Ensures recycled water is safe for reuse, with UV disinfection systems being efficient and environmentally friendly.

Storage Tank

Stores treated water to prevent contamination and maintain quality.

Distribution and Reuse

Distributes recycled water back into wash bays, with automated controls ensuring each station receives the correct amount of water.