

# JUMBO BLOCK® Solution

## JUMBO BLOCK® Components



### 1. JUMBO BLOCK®

The core of the system – a massive, hollow, load-bearing concrete module (2.5 m x 2.5 m x 2.5 m) with an impressive capacity to support up to **792 tonnes**. This block is designed for underground installation, forming the backbone of a modular and scalable retention system.

### 2. Sedimentation and Filtration (as example inside)

The built-in filtration system captures sediments and impurities within the JUMBO BLOCK® itself. This design prevents clogging and extends the lifespan of the system, while maintaining a continuous water flow.

### 3. Heavy-Duty Cover Plate

The cover plate provides an ultra-strong, load-bearing surface above the JUMBO BLOCK®. It enables heavy-duty applications like roads, airport runways, and industrial sites, while ensuring surface stability and protecting the system below.

## A System of strength



### 4. Side Plate

Side plates are installed to enclose the JUMBO BLOCK® modules on the sides, preventing lateral water movement and ensuring system integrity. They help stabilize the overall structure and protect against shifting forces.

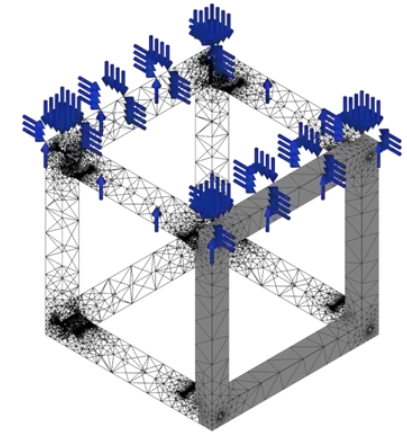
### 5. Base Plate

The base plate provides a stable foundation for each JUMBO BLOCK®, distributing the weight evenly and creating a secure, level base. This feature is essential for ensuring structural stability and longevity.

### 6. Sealing System

The sealing systems for JUMBO BLOCK® provide durable, waterproof solutions for module connections. Using high-performance adhesives and sealants, they securely seal joints and connections, preventing water loss and optimizing retention efficiency. Their flexible, durable materials ensure long-term functionality under varying conditions.

## JUMBO BLOCK® Data



**Load Capacity**  
Class F 900

**Block Edge Length**  
2.5 m x 2.5 m x 2.5 m

**Capacity**  
13.9 m<sup>3</sup> water/JUMBO BLOCK®

**Water column per block**  
2224 liters water/m<sup>2</sup>

**Material**  
Primarily CO<sub>2</sub>-reduced concrete

**Total system volume**  
Determined by the number of blocks installed.

**Fast installation times**  
Ready for use immediately after installation!

**Sales & Distribution**  
AQUATO® Umwelttechnologien GmbH  
Ernstmeierstraße 24, 32052 Herford  
Phone: +49 (0) 5221 10 21 90  
Fax: +49 (0) 5221 10 21 920  
E-Mail: [info@aquato.de](mailto:info@aquato.de)

