

CRYSTOLITE®

THE WORLD'S MOST ADVANCED FILTRATION MEDIA BEFORE REVERSE OSMOSIS

Engineered and Manufactured in Mannheim, Germany

THE GLOBAL FILTRATION CRISIS

Every Reverse Osmosis system on Earth struggles with ultra-fine individual particles, stubborn organic compounds, carcinogenic agents, and colloids. Conventional prefiltration is outdated and inefficient, leading to serious operational issues, fouling, and frequent maintenance.

Billions of liters of water are wasted every year because the prefiltration step is outdated.

CRYSTOLITE® ends this problem forever.

WHAT IS CRYSTOLITE®

Crystolite® is a precisely engineered crystal filtration media designed to minimize, attach, and remove conventional contaminants. It is designed to replace sand and other filter media, offering advanced performance without chemicals.

Each layer performs a specific role, ensuring complete particle retention.

SCIENTIFIC PERFORMANCE

- Laser Diffraction Analysis – Precisely optimized particle size.
- Microscopic Analysis – High surface area and unique morphology trap more contaminants than sand filters.
- Hydraulic Testing – Maintains high porosity and resists compaction over time.
- Backwash Recovery – Regenerates perfectly with minimal water usage.
- Applications – Suitable for use worldwide.

BENEFITS THAT CHANGE EVERYTHING

- Reduces fouling to protect RO membrane systems.
- Extends membrane life and reduces cleaning frequency.
- 100% natural, iron, and mineral safe.
- No chemical regeneration required.
- Direct drop-in replacement for sand or anthracite.

TECHNICAL ADVANTAGES

Material	High-density media
Origin	Germany
Replaces	Sand / Anthracite

TECHNICAL PARAMETERS

Bed Depth	1.0 m
Filtration Safety	High
Backwash Retention	Excellent
Freeboard	30–40%
Size Range	0.6–1.5 mm
Lifetime	10 years+

BENEFITS

- Reduces silt and protects equipment.
- Extends membrane life.
- Environmentally safe.
- Low maintenance and operational costs.

Certified as to
NSF/ANSI/CAN 61
by IAPMO R&T



Freeboard
25 - 35%

Turbidity
<0.5 µ

Lifetime
10 years+

Grain size
0.6–1.5 mm

Purification of Water & Wastewater by Watch Water® Germany

WATCH WATER® GmbH

Fahlachstraße 14, 68165 Mannheim, Germany

Telephone : +49 621 879510

Email : info@watchwater.de

www.watchwater.de

WATCH WATER
WATCH WATER

a Water Company