

JELLYFISH®

Membrane Filtration

Highly effective high-flow
sediment removal

The Jellyfish® Filter is a highly effective stormwater high-flow sediment removal device which uses membrane technology. The large surface area enables fine particle removal at high flows with low head.

Jellyfish® Filter

The Jellyfish® Filter has a much smaller footprint than other BMP's, greater design flexibility and lower long-term maintenance cost.



JELLYFISH® FILTER FEATURES

- High surface area, high flow rate membrane filtration
- Highest design treatment flow rate per cartridge (up to 80 gpm (5 L/s))
- Low driving head (typically 18 inches or less (457 mm))
- Lightweight cartridges with passive backwash
- 3rd party verified field-performance per TARP protocol

JELLYFISH® FILTER BENEFITS

- Long-lasting and effective stormwater treatment
- Compact system with small footprint
- Fewer cartridges required
- Superior pollutant capture
- Easy maintenance and low life-cycle cost

FILTRATION

High Performance Membrane Filtration

- Pleated tentacles provide effective removal of fine sand and silt sized particles.
- Removes a high percentage of particulate-bound pollutants including nutrients, metals and hydrocarbons.
- High surface area membranes ensure long-lasting treatment.
- No Media required

Extended Filter Life

- During filtration, vibrational pulses dislodge sediment from the membrane surfaces.
- After every storm peak, filtered water back-washes membrane filtration tentacles.
- Sediment is continuously removed from the tentacles by gravity.
- Tentacles easily washed with low pressure hose.

PRETREATMENT

- Separation skirt traps oil, trash and debris outside the filtration zone.
- Sand size particles settle below the cartridges in the sump.



APPROVALS

- Approved for 80% removal TSS
- New Jersey Corporation for Advanced Technology (NJCAT)
 - Field Performance Verification per TARP Tier II Protocol
- New Jersey Department of Environmental Protection (NJDEP) – Certification
- Washington State Department of Ecology (TAPE - CULD)
- Maryland Department of the Environment (MDE)
- Ontario Ministry of Environment – New Environmental Technology Evaluation (NETE) – Certification
- Texas Commission on Environmental Quality (TCEQ)

CONTACT DETAILS

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