



### Specifications

Bag Color:

**White**  
(High Temp Option is White with Red Lining)

Filtration Media Material of Construction:  
**Polypropylene with MYCELX Proprietary Chemistry**

Mesh Bag Material of Construction: **Polyester**

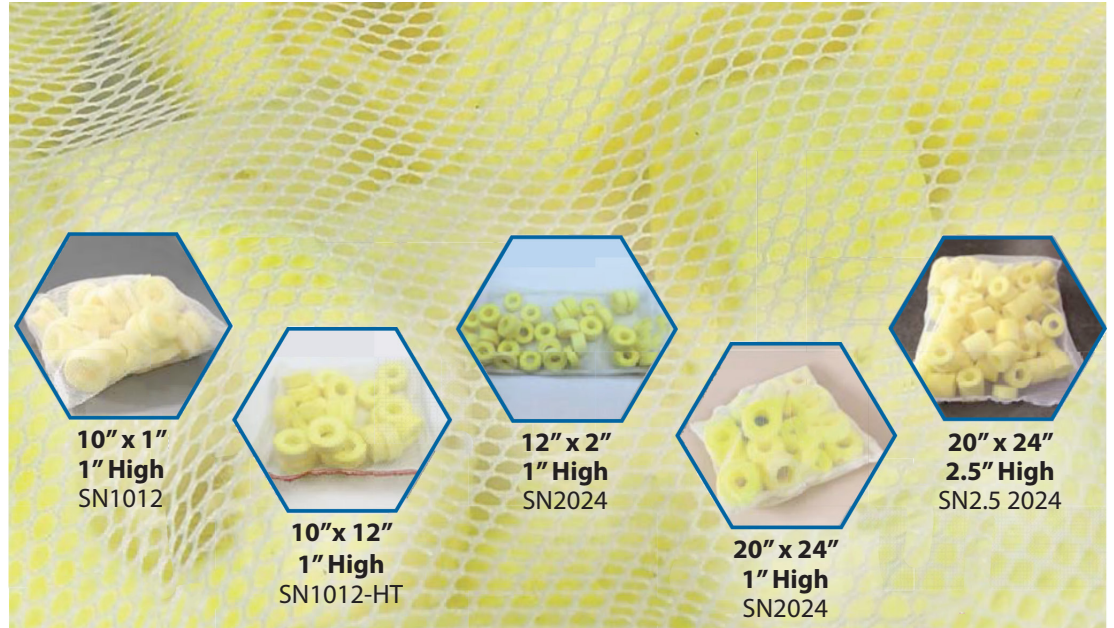
Raw/Untreated Filter Micron Size ( $\mu\text{m}$ ): **50**

Max Operating Temperature:  
**140°F (60°C)**

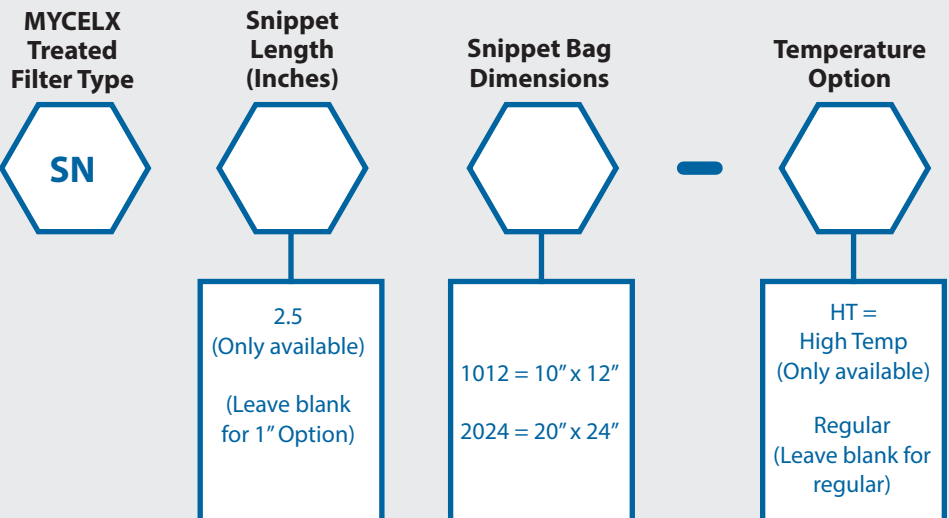
Min Operating Pressure Required: **1 psi**

Operating pH Range: **3 - 11**

Typical Flow Capacities of SN: **20 - 10,000 gpm**



### SN PART NUMBER CONFIGURATOR

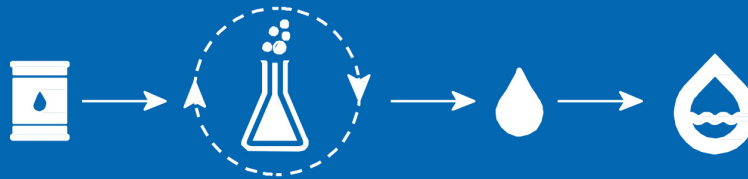


#### Part Number Examples:

SN1012 (SN 1" High, 12" x 12" Mesh Bag)  
SN2.5 2024 (SN 2.5" High, 20" x 24" Mesh Bag)  
SN1012-HT (SN 1" High, 12" x 12" Mesh Bag, High Temperature)

Operational Characteristics MYCELX SN Media Bags	
Mechanism of oil removal	Instant, permanent and complete oil removal upon contact. True and broad phase affinity. No desorption. Required contact time for oil removal : < 1 sec
Robustness to handle varying oil loading	Effectively handles high to low oil loading even in the presence of high solids
Oil removal capacity to greater than 90% removal to 50 microns oil droplet sizes	4-10 lbs/lb of MYCELX media
Ability to handle mixed oily water streams	Yes. Instant and permanent removal
Oil removal effectiveness	>90% oil removal efficiency to 50 microns oil droplet sizes
Fouling tendency with heavy oil and solid loading	No. Continually extracts oil in the presence of solids without fouling

## Absorbs Oil Without Absorbing Water



### KEY BENEFITS

- High capacity gross oil and solids removal from water with permanent immobilization of oil in media.
- Does not build pressure drop even upon complete saturation with oil and solids, i.e., it does not foul or clog.
- Offers robust gross oil and solids fouling protection to pleated/depth particle filters MYCELX oil removal cartridges and backwashable media filters. Delivered as dry media – no chemicals or liquid.
- Deployed as storm water drain inserts as oil sheen removal systems with 90%+ efficiency. The media is delivered in mesh bags (3mm mesh) or in standard P2 style bag filters for ease of handling and maintenance.
- Spent oily media holds very little water; therefore, saturated cartridge has high BTU residual fuel value due to high oil content and very low water content.