

**MEL**

# MYCELX Extended Life Bag Filter for Oil Removal

## MYCELX Polishing Filters

### Specifications

*Filter Insert Material of Construction:*  
**Melt Blown Polypropylene & MYCELX Proprietary Chemistry**

*Bag Filter Material of Construction:*  
**Polypropylene Felt**

*Filter Core Material of Construction:*  
**Polypropylene**

*Bag Handle Style:*  
**12" Strap**

*Flow Direction:*  
**IN to OUT**

*Max Temperature:*  
**160°F (71°C)**

*Operating Pressure Drop across Media*  
**1 psi**

*Max Differential Pressure:*  
**35 psid @ 160°F (71°C)**

*pH Range:*  
**3 - 11**

*Recommended Flowrates:*





**P1 size: 20 GPM**  
**P2 size: 35 GPM**  
**P3 size: 3.5 GPM**  
**P4 size: 7 GPM**  
**P12 size: 50 GPM**

*Max Flowrates:*

**P1 size: 28 GPM**  
**P2 size: 50 GPM**  
**P3 size: 5 GPM**  
**P4 size: 10 GPM**  
**P12 size: 75 GPM**



### MYCELX PART NUMBER CONFIGURATOR

Filter Type	Bag Size	Filter Micron Rating		Special
				
<b>MEL</b> MYCELX Polymer Extended Life Oil Removal Filter	<b>P1</b> 7 1/16" Dia. x 16 1/2" L <b>P2*</b> 7 1/16" Dia. x 27" L <b>P3</b> 4 1/8" Dia. x 8" L <b>P4</b> 4 1/8" Dia. x 14" L <b>P12</b> 8 1/8" Dia. x 27" L	<b>1*</b> <b>10</b> <b>50*</b> <b>100</b>	<b>5*</b> <b>25</b> <b>75</b> <b>200</b>	<b>(Blank)*</b> Polypropylene <b>CS</b> HRM Carbon Steel HRM Chemistry <b>SS</b> EB Stainless Steel EB Chemistry <b>F</b> Plastic Flange

Part Number Examples:  
MEL-P2-5 (P2 sized 5um MYCELX Extended Life Bag Filter with Polypropylene Ring)  
MEL-P12-1-CS (P12 sized 1um MYCELX Extended Life Bag Filter with Carbon Steel Ring)

\*Stocked Filter Option

# MYCELX Extended Life Bag Filters for Oil Removal

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## Benefits of Usage

- ✓ Excellent oil loading capacity (up to 9 lbs. oil per filter)
- ✓ Improves single pass efficiency
- ✓ Can be installed into standard bag filter housings.

## Origin Story

For over 20 years MYCELX technologies has been a leading filtration technology for permanently removing oil contaminants from water. The MYCELX depth cartridge filter products utilize high quality spun bound polypropylene depth cartridge filters and then infuses them with various patented MYCELX chemistries that increase the hydrophobic nature of the material rendering it highly oil adsorbent and water repellent.

MYCELX has evolved and expanded its product line to include the robust and powerful MYCELX Extended Life (MEL) oil removal bag filter product line in response to customers requesting bag filter that has higher hydrocarbon holding capacities, and that requires less down-time for filter change-outs.

## General Description

The MYCELX Extended Life Bag Filters consist of 3 parts:

1. Outer Bag Filter
2. MYCELX Filter Insert
3. Rigid plastic inner core

The outer bag is specially designed to seal the top of the bag and force the flow down the center of the bag when the rigid plastic core is installed. As water flows down the center, water is evenly distributed into the MYCELX Filter Insert Media which has a highly oleophilic (hydrophobic) surface to capture hydrocarbons upon contact. The water then flows through the outer bag filter which is the final layer of filtration for removing contaminants from the water.

MYCELX offers these MEL filters in various sizes and micron ratings to enable customers to tailor the filter to their needs. The filters are sold in individual boxes.

## Storage & Handling Recommendations

Store filters out of direct sunlight, in original packaging, and in a dry, cool (< 95°F) environment.



*Photo of MYCELX Extended Life Bag Filter being removed after use during testing. Many of these filters were tested and the average oil holding capacity was determined to be 8.8 lbs. oil*