



PUROLATOR FACET  
FLY WITH SOMEONE YOU KNOW

FACET SCAVENGE OIL FILTER SYSTEMS

## OVER 30 MILLION FLIGHT HOURS CAN'T BE WRONG

Nor can the sales of more than **10,000 filter kits** and 250,000 elements – not to mention our 18 FAA/STCs. But this type of security only comes with one name: genuine Purolator Facet.

What's in a name? Security. Safety. Peace of mind. If you're flying with us, you've got decades of experience along for the ride. In fact, no one else even comes close to our reputation.

### Just look at our credentials:

- An aerospace industry leader for more than 75 years, offering state-of-the-art technology which even NASA has employed with its space shuttle program.
- The leading manufacturer of the Scavenge oil filter system (and Scavenge elements) since introduction in 1979.
- Proven performance that speaks for itself.
- An expert in filter media for the past 40+ years. Our elements were created, developed and rigorously tested in our own labs – so our knowledge is intimate. The Scavenge Oil Filter Kit and its replacement elements are Purolator Facet designs, not a copy or replica of another manufacturer's product.
- In their maintenance agreements, most engine manufacturers require the use of external Scavenge oil filter systems.



## PUROLATOR FACET—WE'VE BEEN BEHIND YOU FOR OVER 20 YEARS

### SAFETY - FLOW DIRECTION THROUGH THE FILTER

Engine oil enters through the filter's inlet port and is directed into the filter element. All Purolator Scavenge oil filters contain bypass valves that guarantee the continued flow of critical engine oil, should the filter's element assembly become clogged.

### ELEMENT CONSTRUCTION

Purolator Scavenge oil filter elements are constructed using Microfil® Impregnated Composite Fiber Pleated Media. Microfil filter elements consist of a multi-layer composite of organic and inorganic materials. Purolator's 3 and 10 micron filter elements are designed to provide optimum filtration and dirt-holding capacity. Purolator elements provide a much finer degree of filtration over typical engine mounted strainers.

### 3 MICRON FILTER



### 10 MICRON FILTER



### MICRODELTA® DIFFERENTIAL PRESSURE INDICATOR

Purolator's oil filter housings incorporate impending differential pressure (bypass) indicators. This device provides a visual warning indication (extended warning button) of the filter element's need for replacement. Our indicators also include thermal lock-out devices which prevent false indication during cold start conditions.

## **PERFORMANCE AND DIAGNOSTIC INFORMATION**

In most applications, engine manufacturers have extended oil change requirements for engines equipped with Purolator Scavenge oil filter systems. Purolator oil filters trap engine-generated contaminants which can be used as a diagnostic tool. Used filter elements can be examined for excessive wear metals or contaminants. The filter elements can be included as part of an engine oil analysis program.

These engine monitoring inspections can help determine engine operating conditions, reducing the chance of premature or catastrophic failure.

## **MAINTENANCE AND PREFLIGHT INSPECTIONS**

Once aircraft have been equipped with Purolator Scavenge oil filter systems, maintaining this system becomes part of the normal oil change requirements. In most instances, element change intervals coincide with the engine manufacturer's oil change requirements. Purolator also recommends periodic functional checks of the oil filter's bypass indicator.

As part of the normal preflight inspection, a visual check of the filter's bypass indicator prior to flight is all that is required.

## **TYPICAL FILTER INSTALLATION**

Purolator Scavenge oil filter systems are designed to provide optimum filtration for the aircraft's entire oil system. As oil exits the engine, 100% of the engine's oil flow is directed into the Purolator Scavenge oil filter assembly. The filter is located upstream of the engine's oil cooler and tank, so it protects these expensive components from contamination that could otherwise be trapped or re-circulated into the engine. These contaminants could plug critical lubricating orifices or cause wear on seals and bearing surfaces. This additional filtration can also help reduce the number of nuisance chip lights generated when contaminant combines and is re-circulated throughout the engine's oil system.

Purolator Scavenge oil filter systems come complete and ready to install. Each kit contains all of the components and documentation required to complete the installation. Simple tools are all that is required for most applications.





## A KNOWLEDGEABLE DISTRIBUTOR NETWORK THAT SPANS THE GLOBE

America to Asia, Paris to Perth, you'll find our certified Purolator Facet Aerospace Distributors located across our continent and throughout the world. We take pride that each of our distributors knows the industry and knows the market. Never simply telemarketers, these are field people who actively support our customers and are familiar with the mechanics of our products.

## FLY WITH US, WE'LL NAVIGATE THE WAY

When your Scavenge Oil Filter Systems and elements are genuine Purolator Facet, answers are easy. And always just a phone call away. If you ever have a question, call us — toll free or direct — and reach one of our experts to promptly get the answers you need.

Our Product Certification Manager provides extensive product knowledge and aircraft expertise that can help you successfully navigate a problem with time to spare.

## PUROLATOR FACET SCAVENGE OIL FILTER SYSTEMS

CURRENTLY AVAILABLE FOR THESE MODELS AND MORE

Agusta 109A

Agusta 109A MkII

Schweizer 330

Schweizer 333

Bell 206 Series

Bell 222

Bell 230

Bell OH58A

Bell OH58C

Enstrom 480

Sikorsky S-76-A

Eurocopter AS350B Series

Eurocopter AS350 D Series

Eurocopter AS355 E Series

Eurocopter AS355 F Series

Eurocopter BK117 Series

Eurocopter BO105 Series

Soloy Conversion (Bell 47)

Soloy Conversion (Hiller UH12 Series)

MD500 (369 Series)

MD530FF

MD Helicopter 500 Series

MD Helicopter 530 Series

Hughes OH6A

**Our dedication and commitment to the aerospace and helicopter industries shows through our national and international associations.**





## THE NAME MAY HAVE CHANGED, BUT OUR QUALITY WILL ALWAYS BE THE SAME

**Ni-Cad. Facet. Purolator. It's been confusing at times, but no matter what name you've known us by, our Scavenge Oil Filter Systems and the expertise of the people who back them have always stayed the same—superior and globally recognized.**

“The Kern County Sheriff's Department has been using the Purolator Facet Scavenge oil filter system for 14 years on all of our turbine powered aircraft. This filter system traps all the carbon particles and ensures our engines run clean. Every one of our turbine engines had gone to overhaul without any oil problems and/or component damage.”

*Adam Valdez, Kern County Sheriff's Department*

“The Scavenge filter is worth its weight in gold; it saves both money and labor.”

*Jon Brones, Sacramento Sheriff's Department*

“After working with Purolator Facet for several years, acquiring three, external mounted engine oil filter STC's and interviewing several filter manufacturers, I knew Purolator Facet was the company to work with. I needed an engineering group with long filtration background and experience, dedicated to quality and service.

Purolator Facet engineers take that extra step, not only to meet and work with manufacturers of engines and airframes, but meet and work with the owner/operator and mechanics in the hangars. I know of no other filter manufacturers that will service their product in the hangar on the workbench.”

*Phillip McClure, Ni-Cad*



FOR GENUINE PUROLATOR FACET,  
CHECK THE END CAP

**038088-08**

**10 MICRON ELEMENT**

All filter elements are not created equal. For the name you know and trust, always check the element's end cap. You'll see the Facet name and part number **038088-08** for 10 micron or **1742510** for 3 micron. Anything else, and it's not genuine Purolator Facet.



**3 MICRON ELEMENT**

**1742510**

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**FOR OPTIMAL PERFORMANCE AND SAFETY, MAKE SURE YOU FLY  
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*Distributed by:*

