

# Gideon™ Technology

Sy-Klone™ spent more than two years and several thousand hours of field evaluation before we settled on the Gideon™ Technology products you see today.

As part of our research and development we talked to operators, maintenance providers, managers and industry leaders to gauge what they believed was important and of value.

They told us they wanted products that would eliminate the need to blow out or frequently replace the HVAC fresh air filter; a product that would maintain the cab's pressurization so the environment would stay outside the cab; a product that would protect the evaporator core and reduce expensive HVAC maintenance caused by currently ineffective systems; and finally, they wanted a product that would protect their operators and was easily maintained.

We listened and delivered the Gideon™ Technology line of products.

## Gideon™ Technology will:

Extend filter life from hours to weeks and even months

Maintain cab pressurization (even when the A/C is off)

Keep evaporator and heater cores clean

Increase operator comfort



**Gideon™ Technology Powered HVAC Air Filtration System Installations**



**Int-rlam**

## Gideon™ Technology:

The pre-cleaner integrates into the existing OEM HVAC system

The complete system replaces the OEM HVAC fresh air filter

The complete system contains a compact, integrated extended-life filter, up to 1,000 hours in most environments

Both the pre-cleaner and the complete system maintain cab pressurization over an extended operating period

**Gideon™ Technology Powered Air Pre-cleaner Installations**



# OPTIMAX™

## Dual-Stage Air Precleaner

### S. Carolina, Operations Supervisor

"We really like the OPTIMAX. We've gone from blowing the filters every second day and changing the filters once a week, to changing the engine filters every 300 hours, without ever opening the air filter housings to blow the filters. The operators are really sold on the systems, and so am I."

### Carolina, Site Manager

"We were blowing air filters out at least once a day and replacing the elements every three days. Now we go 300 to 500 before replacing the elements, without blowing out the air filters. Sy-Klone has provided technology that saves us money, increases our productivity, and makes for happier operators."

### Louisiana, Site Manager

"The OPTIMAX works really good! At the 250 hour service interval on the D6R we opened the engine filter housing to check the filter and it looked great. We reinstalled the cap and put the tractor back to work."

**Interlam**



# OPTIMAX™ is a proven performer

Extends filter life from hours to weeks or even months

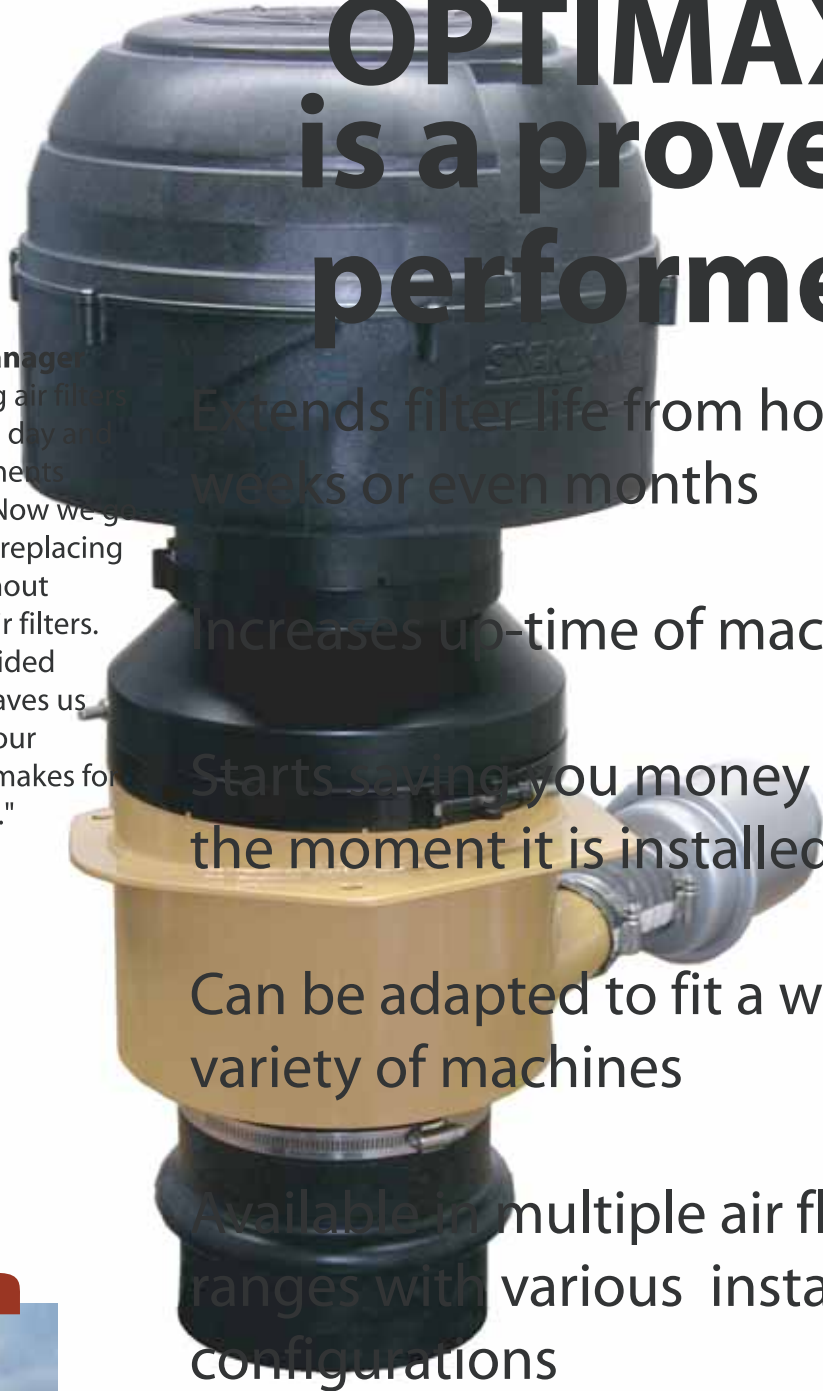
Increases up-time of machine

Saves you money from the moment it is installed

Can be adapted to fit a wide variety of machines

Available in multiple air flow ranges with various installation configurations

Complete installation kits for many popular machine makes and models



Series 9000™ precleaners have been protecting heavy equipment since their introduction in 1996.

## The benefits of installing a Series 9000™ precleaner include:

Greatly extends air filter life

Reduces downtime

Lowers cost per operating hour

Maintains engine performance

### Critical Characteristics to Demand in Your Precleaner

**Inlet screen guard protects against debris that is larger than the ejection slot entering the precleaner.**

**Toroidal dome enhances separation process using patented technology which prevents debris from being sucked in through the ejection port. Internal strakes catch debris in outer orbits and direct it to ejection slot.**

**Ejection port is width of entire separation chamber which allows debris to easily be ejected back into the environment.**

**Rotor arm is designed to maximize separation efficiency. Large cross-sectional surface area ensures rotor will not be damaged when impacted by mixed debris fields like wood chips, chaff or rocks small enough to get past inlet screen guard.**

**Bearing chamber is isolated from the environment through combination of a mechanically attached top cap, a labyrinth seal and an o-ring seal ensuring the bearings remain free of debris and moisture.**

**Bearings are sealed not shielded or open.**

**Precleaner is designed to breakaway if forcefully struck, preventing expensive damage to air intake system.**

#### **MATERIAL:**

Your precleaner should be made from a high-quality, non-reflective, non-corroding material.

#### **SIZE:**

Your precleaner should deliver maximum performance while occupying the smallest amount of space.

#### **DURABILITY:**

Your precleaner should operate under extreme conditions for an extended period of time.

#### **PERFORMANCE:**

Your precleaner should be designed to perform in "the real world" not just in the lab.

#### **TECHNOLOGY:**

Your precleaner should be built with the tools to get the job done in the design.

**EXTRAS:** Your precleaner should protect your machine and give you peace of mind.



**Interlam**

# Series 90000™ Air Precleaner

# How Many Products Have Proven To Deliver Beyond Expectations?



## We know of three.



QUALITY SYSTEM  
REGISTERED TO  
ISO 9001:2000

**Interlam**

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