



Product overview

Industrial and marine air intake filters

Typical applications:

- Construction machines
- Agricultural machines
- Mining machines
- Buses
- Forklifts
- Cranes
- Internal-combustion engines
- Generator sets
- Stone crushers
- Compressors
- Utility vehicles
- Pumps
- Marine engines
- Plastic processing machineries

One stage air filters

ViroSeal

One stage filter with plastic housing

Air flow range 0.6m³/min until 2.05m³/min (up to approx. 25kW)

- Features:
- Air intake pipe with silencer effect
 - Compact and metal free design – direct mounted
 - Tool free filter service

For all marine and industrial light-duty applications



ViroPac

One stage filter with metal housing

Air flow range 1.4m³/min until 5m³/min (up to approx. 58kW)

- Features:
- Air intake pipe with silencer effect
 - Compact design - direct mounted

For all marine and industrial light-duty applications



ViroClean

One stage air filter without housing

Air flow range 4.2m³/min until 41.5m³/min (approx. 40kW until 477kW)

- Features:
- Long life filter
 - Compact design – direct mounted

- Versions:
- A Metal version – Service: Clean filter with water/soap mixture
 - B Sponge version – Service: Replace sponge element

Mainly for marine applications



ViroSoft

One stage air filter without housing

Air flow range 3.4m³/min until 9.8m³/min (up to approx. 112kW)

- Features:
- Light and compact design – direct mounted
 - Suitable for high pulsation engines

For all marine and industrial light-duty applications



ViroLite

One stage air filter with and without housing

Air flow range 3.8m³/min until 60m³/min (approx. 40kW until 690kW)

- Features:
- Light and compact design – direct mounted

- Versions:
- With sound reducing housing / Without housing for maximal air flow / Oil wetted version for marine applications without housing

For all marine and industrial light-duty applications



Two stage air filters

VikoSeal

Two stage air filter with plastic housing

Air flow range 1.7m³/min until 30m³/min (up to approx. 345kW)

- Features:
- Build in first stage filtration. Separated dust ejects via a valve
 - Radial Seal
 - Optional secondary element (recommended)
 - Two connections for service indicators Sentinel
 - Light but robust design to resist harshest environment
 - Only one mounting band per filter installation
 - Tool free filter service

All marine and industrial medium or heavy duty applications



VikoPac

Two stage air filter with metal housing

Air flow range 1.7m³/min until 65m³/min (up to approx. 750kW)

- Features:
- Build in first stage filtration. Separated dust ejects either via valve or separated in a build in collector
 - Axial Seal
 - Optional secondary element (recommended)
 - Connection for service indicator Sentinel
 - Two metal mounting band per filter installation

All marine and industrial medium or heavy duty applications



JoktoPur

Compact-two-stage air cleaner with multi-cyclone-precleaner in oval plastic housing.

The JoktoPur compact-two-stage air cleaner has an integrated high efficiency multi-cyclone-precleaner with an efficiency up to 95%.

This compact-filter provides a high airflow capacity and maximum filter lifetime.

The oval, compact filter design enables fitting in tight space area.

- Features:
- High airflow capacity and maximum filter lifetime
 - Integrated high efficiency multi-cyclone-precleaner
 - Two-Stage filtration – axial airflow
 - Low space requirement through oval design
 - Integrated mounting brackets on two sides of the body
 - Works with or without active dust extraction
 - Increased performance with active dust extraction
 - Integrated connector plug for maintenance switch Sentinel
 - Operating temperature from -35°C to +85°C with peaks of +100°C



Accessories for two stage air cleaners

Mounting bands for VikoSeal

One mounting band per filter installation

Plastic: Cost effective

Metal: Standard

Quick release: Tool free mounting/dismounting of complete filter housing



Mounting bands for VikoPac

Two mounting band (metal) per filter installation



Rain cap

The rain cap protects the air filter against the penetration of moisture in the form of rain, snow and splashed water and prevents bigger objects such as leaves and branches, etc. from getting into the filter, thus extending the servicing intervals. Metal and plastic versions in various sizes



VisiClean

Cyclone precleaner

Air flow range 1.4m³/min until 33.4m³/min (approx. 12kW until 380kW)

Features:

- Dust separation approx. 75-85%
- Operates in horizontal mounting position
- Provides the function of a rain cap

For construction, mining, agriculture machines etc.



Vortex

Automatic precleaner

Air flow range 0.9m³/min until 40m³/min (approx. 10kW until 460kW)

Features:

- Direct dust ejection
- Removes more than 87.5% of SAE Coarse
- Removes up to 99 % of larger airborne particles
- Operates in any position and provides the function of a rain cap
- Extends service interval of filter elements up to 12times
- Service free

For construction, mining, agriculture machines etc.



Sentinel electric maintenance switch (sensor)

This built-in sensor monitors the degree of soiling of the air filter and emits a control signal when the predefined end-pressure differential is reached in the filter. The acoustic or optic display that is triggered alerts the operator to the filter soiling, ensuring that servicing can be carried out at the correct point in time.



- Features:
- Lightweight yet robust design for extreme operating environments
 - Electrical contact with a stabiliser for reducing inherent resonance
 - Easy to fit, and deployable with all filter types
 - Different starting-pressure differentials, such as 25, 50, 62 and 75mbar (10-120mbar on request)
 - Automatic switch reset after filter has been serviced
 - Operating voltage 12 to 24VDC
 - Connections to IP44 or IP67 (AMP plug)
 - Operating temperature from -30°C to +120°C

Sentinel mechanical maintenance switch (sensor)

This mechanical maintenance switch with an optical display monitors the degree of soiling in the air filter and switches its display from green to red when the predefined end-pressure differential is reached in the filter, telling the operator that the filter needs to be serviced.



- Features:
- Lightweight but robust design for extreme working environments
 - Easy to fit, and deployable with all filter types
 - Various starting-pressure differentials, such as 25, 50, 62 and 75mbar
 - Switch must be reset manually after filter servicing
 - Operating temperature of -30°C to +120°C

Cabin, panel filters and replacement elements

Various sizes available.

Customised according technical requirements.

Separate Cabin filters overview is available.



Just contact us for any technical or commercial inquiry at sales@longday.biz

Further information www.longday.biz