

**PLASTEC VENTILATION SOLUTION**

# A NEW WIND FOR A SAFE AND HEALTHY VENTILATION SYSTEM



Anti-corrosion solutions for commercial,  
industrial, and laboratory facilities.

[www.plastecventilation.com](http://www.plastecventilation.com)

# ANTI-CORROSION FANS & BLOWERS

## FOR FUMES, CORROSIVE GASES, & TOXIC EXTRACTION ENVIRONMENTS



**LEADERS & INNOVATORS**  
of anti-corrosion fans & blowers



**SERVING OVER 100 COUNTRIES**  
present on all continents



**55+ YEARS IN BUSINESS**  
with decades of professional experience



**PLANT IN FLORIDA**  
Quick Delivery  
1-2 business days  
for most products



**+ 1.000 CLIENTS**  
trust us

### PLASTECH Ventilation is more than just a name.

We are the global leaders and innovators of anti-corrosion resistant fans and blowers, and an excellent choice for the efficient conveyance of corrosive, chemically laden, humid, polluted, gas, fumes, and air environments. From small local installations to large multinational companies, we respond to our clients challenges.

The success of our company is based on the daily implementation of our actions and decisions of four fundamental values:

#### Support

**To support** all our customers needs and requests with our team of professional engineers.

#### Reactivity

**To create** and maintain a personal relationship with each of our customers, to excel in our quality of services, and to respond immediately to our clients requests.

#### Competitiveness

**To optimize and accelerate** our processes by reducing costs without ever losing sight of our customer's quality requirements.

#### Innovation

**To continuously improve** our products and develop new innovative solutions to better serve the needs of our customers.



### SOLUTION FOR INDUSTRIES

Wide variety of anti-corrosive fans, perfectly suited for the extraction of corrosive acids, toxic fumes, gases, and other hazardous vapors.



### SOLUTION FOR LABORATORIES

Complete air extraction control systems and regulatory solutions for laboratory fume hoods and cupboards to ensure use life safety requirements.



### SOLUTION FOR WASTE / WATER TREATMENT INDUSTRY

Full line of blowers specifically designed for harsh toxic lift station fumes and water aeration treatments.

## MARKETS



### OIL, PETROLEUM and GAS INDUSTRIES

Oil Refinery and Extraction Systems, Exploration/Upstream/Midstream Facilities, Natural Gas Compressor Stations, LNG re-gasification plants, Treatment Systems, Water Process Treatments, Drying and Dehydration, Exhaust System for Offshore Platforms.



### WATER TREATMENT, WASTEWATER, INDUSTRIAL SCRUBBER INDUSTRY

Water Treatment Facilities, Reclamation Facilities, Wastewater Treatment Processing, Fume/Water Scrubber Systems, Aeration Applications, Sludge Processing and Drying of By-products, Pickling, Sewer and Water Tunnels, Wastewater Lift Pump Stations.



### PHARMACEUTICAL AND CHEMICAL INDUSTRIES

Medical Facilities, Research and Testing and Manufacturing Processes, Fluidized Systems.



### MARITIME INDUSTRIES

Cruise Ship Industry, Container Ships, Engine Room Ventilation Systems, Fuel Lockers Ventilation, Bilge Ventilation, Moisture Laden Applications.



### AGRICULTURAL INDUSTRY, SURFACE treatment and AGRI-FOOD industry

Fertilization Ventilation, Chemical/Insecticide Exhaust, Livestock and Poultry Exhaust Systems (AFO & CAFO), Equestrian Facilities, Dust/Humidity/Grease Control, Grain Drying, Material Handling.



### CHEMICAL STORAGE

Hazardous Material Storage Buildings, Chemical Mixing and Dispensing Storage Buildings, Chemical Containment Rooms, Paint Storage Rooms, Spray Booth Exhaust, Reagent Chemical Tanks, Chemical Cabinets, Portable Equipment/Storage Shelters.



### NATATORIUMS, WATER PARKS, MUNICIPAL AQUATIC FACILITIES

Chemical/Chlorine Storage Rooms, Surge Tank Systems, Enclosed Tube Water Slide Ventilation, Underground Equipment/Chemical Vaults, Fitness Facilities.



### ELECTRIC AUTOMOTIVE, BATTERY (EV & BESS) & STORAGE INDUSTRIES

Lithium-Ion Battery Storage Systems, Grid-scale Battery Storage, Battery Energy Storage Systems (BESS), Battery Enclosure Cabinets, Energy Storage Containers, Power Stations, Portable Energy Containments.



### UNIVERSITIES/INSTITUTES/SCHOOLS

Science and Technology Laboratories, Biology/Physics/Chemistry Laboratories.



### LABORATORY FUME HOOD

Science and Technology, Biotechnology, Pancreatic Research Centers, Medicine & Biomedical Sciences, (BSL-1 ~ 4), Cancer/Research, Beam Therapeutics, Toxicology, Forensic Science.



### COSTAL HOTEL/RESORT INDUSTRY

Back of House Exhaust Systems, High Rise Exhaust and Ventilation Systems, Anti-Salt Air and Anti-Salt Water Blower Systems, Coastal Restroom Facilities.



### CANNABIS AND HEMP INDUSTRY

Cannabis and Hemp Cultivation Facilities, Grow Rooms, Hydroponic Gardens, Greenhouses.

## OTHER MARKETS SERVED

- Crematorium Industry
- Plating & Coating Industry
- Marine Laboratory & Aquarium Facilities
- Commercial Heating Ventilation and Air Conditioning (HVAC)
- Industrial Laundry Facilities
- Brewery & Distillery Industry
- Machinery and Welding Industry
- Pulp / Paper, Beverage, Plastic, & Glass Manufacturing Facilities
- Emission Control System Station Facilities

# LABORATORY FUME HOOD INDIVIDUAL SYSTEM EXTRACTION

University of Jussieu - Paris,  
France. Science & Technology  
Laboratory



Center for Scientific Research  
(Largest fundamental science  
agency in Europe)



Thai Oil Public Company Limited  
Thailand



We at **PLASTEC Ventilation** believe in  
keeping it simple and safe.

With extensive experience and proven  
field installations of individual system  
extractions, **PLASTEC Ventilation**  
offers a comprehensive line of superior  
high-quality corrosion and hazardous  
gas/fume resistant polypropylene  
equipment and monitoring controls.

Individual system extraction reduces  
installation time, the initial cost of  
construction, exhaust equipment  
systems, decreases long term operations,  
and maintenance costs to owners.  
Most importantly, our systems protect  
the safety and well-being of the  
end-users.

# LABORATORY FUME HOOD AIR EXTRACTION CONTROLS

L. Solution is a unique and progressive  
concept for your laboratory  
management and security.

## L.SOLUTION

### INDIVIDUAL FUME HOOD EXTRACTION CONTROLLER



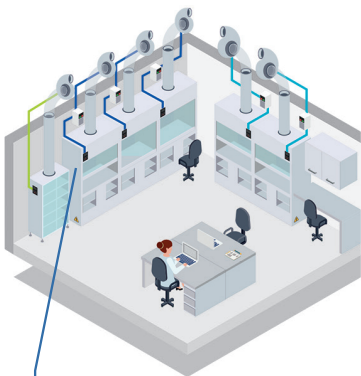
**L.COM**  
CONTROL UP TO  
3 FUME HOODS  
AND/OR SNORKEL  
ARM HOODS



**E-CONTROL**  
CONTROL OF AIR  
FLOW ON EACH  
FUME HOOD



**CAPTUR**  
CONTROL TOWER.  
Up to 31 e-Control  
and or L.Com units.



### LABORATORY ROOM EXTRACTION CONTROLLER



FOR SPEED FUME  
HOOD FIXED OR  
VARIABLE AIR  
SUPPLY

# COMPLETE RANGE

Find the right product for your project thanks to ZEPHYR, our online selection software tool!

[www.plastecventilation.com](http://www.plastecventilation.com)  
Click on **support**

ZEPHYR

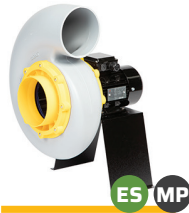
## PLASTEC SERIES

Polypropylene fan with no metal material in the air-stream. Manufactured following ISO 9001-2015 standards. Chemical and corrosion resistant Direct Drive centrifugal fans. Available with Carbon Impregnated Polypropylene (CIP) housing as well as XP motors.



### PLASTEC 15

Air flow rate:  
**30 to 530 CFM**  
P max:  
**0.1 to 2.4 in.w.g.**



### PLASTEC 20

Air flow rate:  
**118 to 1060 CFM**  
P max:  
**0.6 to 6 in.w.g.**



### PLASTEC 25

Air flow rate:  
**295 to 2060 CFM**  
P max:  
**0.5 to 8 in.w.g.**



### PLASTEC 30

Air flow rate:  
**415 to 3120 CFM**  
P max:  
**0.5 to 3 in.w.g.**



### PLASTEC 35

Air flow rate:  
**1060 to 5885 CFM**  
P max:  
**0.5 to 5.25 in.w.g.**



### PLASTEC 50

Air flow rate:  
**2940 to 8830 CFM**  
P max:  
**2.8 to 5.25 in.w.g.**

**ES** ECONOMY SAVINGS

**MP** MAXIMUM POWER

## STORM SERIES

High static pressure fans for applications such as Storage Cabinets, Scrubber Tank Systems, Snorkel Fume Arms, Commercial Washers. All series designed with Hindered Amine Light Stabilizers (HALS) for increase UV resistance.



### STORM 10

Air flow rate:  
**15 to 130 CFM**  
P max:  
**0.25 to 2.35 in.w.g.**



### STORM 12

Air flow rate:  
**30 to 350 CFM**  
P max:  
**0.75 to 4.5 in.w.g.**



### STORM 14

Air flow rate:  
**235 to 765 CFM**  
P max:  
**1.5 to 7.25 in.w.g.**



### STORM 16

Air flow rate:  
**295 to 1240 CFM**  
P max:  
**7.5 to 11.5 in.w.g.**



### STORM 18

Air flow rate:  
**800 to 3000 CFM**  
P max:  
**8 to 18.5 in.w.g.**

## JET SERIES

Incorporates in-line and up-blast capability series. The integrated polypropylene weather hood conceals the motor from elements and is mounted outside of the corrosive airstream fumes.



### JET 20

Air flow rate:  
**300 to 800 CFM**  
P max:  
**0.3 to 3.5 in.w.g.**



### JET 25

Air flow rate:  
**425 to 1000 CFM**  
P max:  
**0.75 to 8.25 in.w.g.**



### JET 30

Air flow rate:  
**1000 to 1800 CFM**  
P max:  
**0.75 to 3 in.w.g.**

## EXPLOSION RESISTANT



All Series fans are available in XP versions. All fans are compliant with U.S. and international standards: AMCA, NEC 500/505, ATEC (EN60079) and European Directives (99/92/EC and 94/9/EC).

### XP MOTORS MARKING

**NEC 500:** CLASS I DIV II GROUP A, BT4

**NEC 505:** CLASS I ZONE II AEx d GROUP IIC T4

**ATEX:** Ex II 36 Ex c GROUP IIC T4

**AMCA:** SPARK "A" COMPLIANT

# HIGH QUALITY PRODUCTS

Constructed with UV-Treated polypropylene, PLASTECH Ventilation fans are ideally suited for corrosive or toxic work environments.



Anti-UV & recyclable

High Impact Resistant Polypropylene

High corrosion resistance

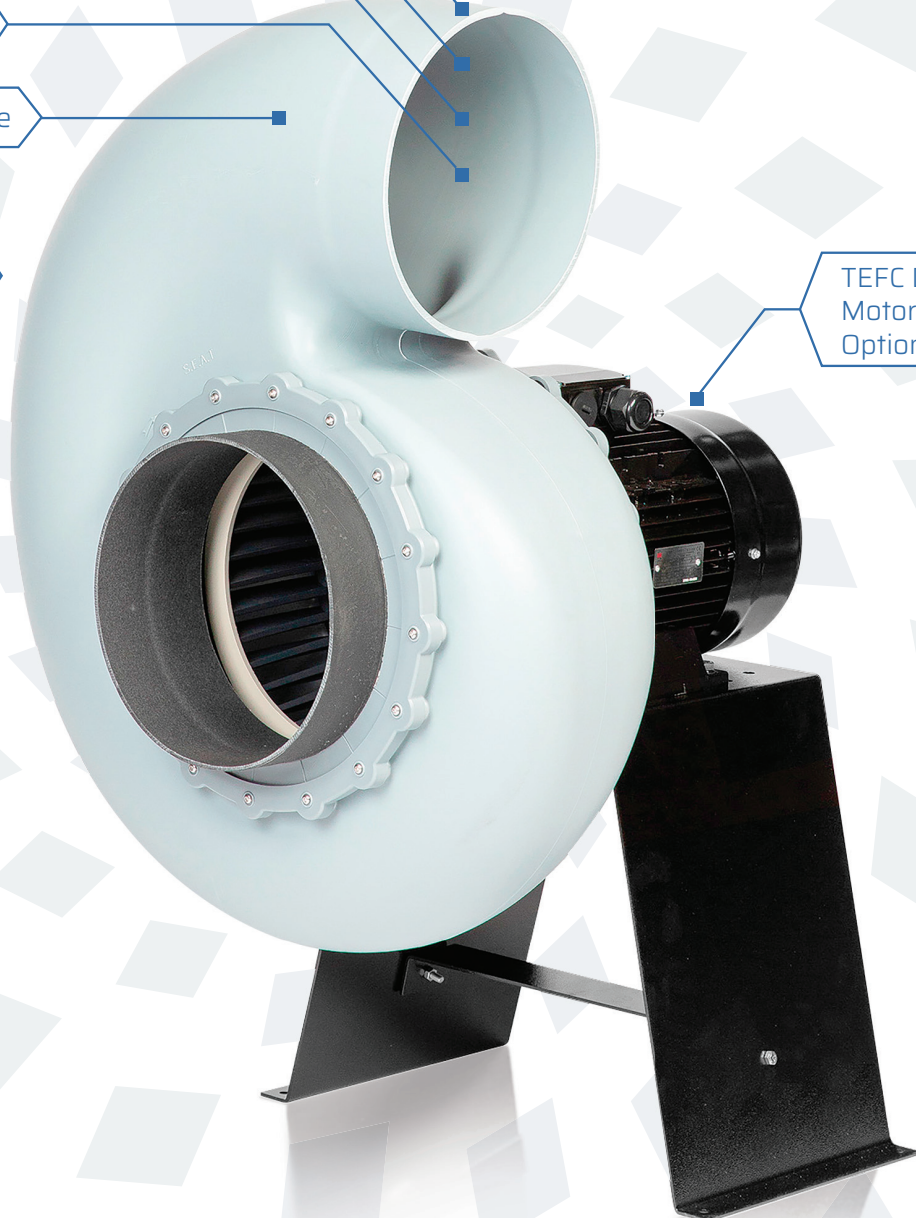
From 15 to 8,830 CFM

140°F (60°C) Temperature

Wide range of products

Easy to install

TEFC Direct Drive Motors (XP Motors Optional)



# ACCESSORIES AND MOTORS

Complete list of accessories at [www.plastecventilation.com](http://www.plastecventilation.com)



## CHEMICAL RESISTANT STACK

Corrosion Resistant UV treated polypropylene seamless constructed blower fume exhaust stack. (Multi-Heights available)



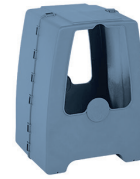
## DISCONNECT SWITCH

NEMA-4X, IP66 Rated, UL Listed, CE Approved disconnect controller switch. (Explosion resistant disconnect switch optional)



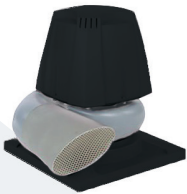
## WEATHER CAP

Corrosion resistant UV treated polypropylene constructed cap.



## POLYPROPYLENE WEATHER HOOD / PEDESTAL

Utility blower motor weather UV-Treated hood protection cover / pedestal.



## ROOF UNIT KIT

Rigid polypropylene constructed roof unit kit, allows direct mounting to roof curb. Includes curb cap, brackets, exhaust guard, and motor protection housing.



## MOTOR SUPPORT STAND IN PICKLED STEEL

Pickled Steel support stand with black enamel finish. (Stainless steel construction optional)



## ADJUSTABLE BUTTERFLY DAMPERS

Corrosion resistant UV treated polypropylene constructed damper.



## VARIABLE FREQUENCY DRIVES

NEMA-1 and NEMA-4x optional VFD.

## ADDITIONAL AVAILABLE ACCESSORIES

- Vibration Isolation Dampers
- Rigid Transition Rings
- Explosion Resistant Disconnect Switches
- Roof Curbs
- Gravity Back Draft Dampers
- Exhaust Guards
- Flexible PVC Reducers / Couplings
- Stainless Steel Impellers
- Aluminum Weather Hood / Pedestal
- Stainless Steel Motor Support Stand
- Wall Mounting Brackets
- Multi-Height Weather Stacks

## TESTIMONIALS

“Mote’s experience with Plastec Ventilation products and people has been exceptional. Great product and they built just what we wanted, and it has exceeded our expectations.”

**Randy Gomes**

Facility Director of Molte Marine Laboratory and Aquarium.

“The Plastec Ventilation fan that we purchased is economical, was delivered in a few days and has exceeded my expectations. It is quiet and out of sight and out of mind. I highly recommend Plastec Ventilation for any of your fume hood or corrosive gas exhaust applications.”

**Robert Scott**

Project Engineer at Diversified CPC International Incorporated Inc.

## SOME COMPLETED PROJECTS

**Abu Dhabi Medical Industries** - Abu Dhabi U.A.E. | Medical Facility

**Lifetime Fitness** - USA | Natatorium & Fitness

**Crystal Finishing Systems** - Schofield, WI | Chemical Plating and Coating

**CERMET / Flexilab** - Mexico | Laboratory Industry

**EVOQUA / Siemens Water Technologies** - USA | Waste/Water Treatment Plant

**Questron Technologies Corporation** - ON Canada | Laboratory Automation

**Altapure** - Southbend, IN | Pharmaceutical and Biomedical Laboratory

**LivWell Enlightened Health Marijuana Dispensary** - Denver, CO | Cannabis and Hemp Industry

**Pellerin Milnor Corporation** - Kenner, LA | Commercial Industrial Laundry Industry

**Steris Corporation** - QC Canada | Medical Equipment Manufacturing Industry

**Majestic Cruise Lines S.M.V. Freewinds** - Miami, FL | Maritime Cruise Ships

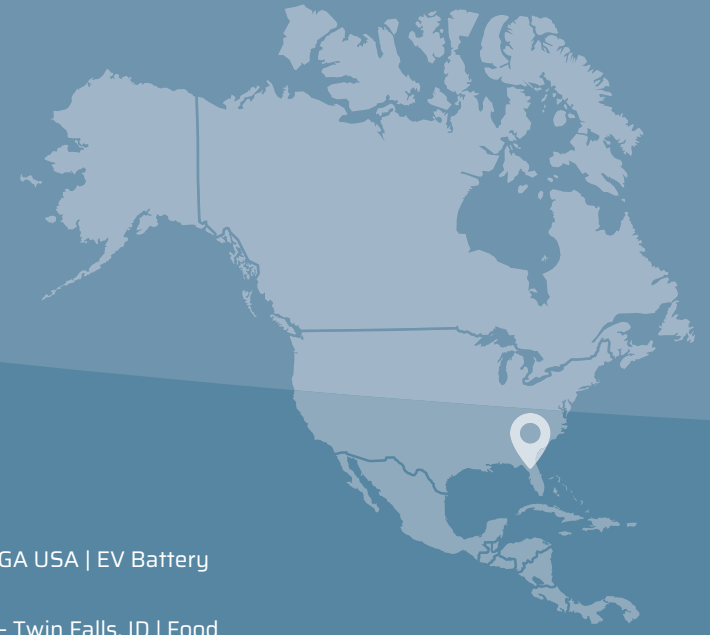
**Nexen Group Inc** - AB Canada | Oil and Gas Industry

**National High Magnetic Field Laboratory FSU** - Tallahassee, FL | University Laboratory

**Modern Packaging LLC** - NY USA | Machinery Manufacturing Industry

**Rivian Automotive Plant** - IL USA | EV Battery Industry

## 20+ YEARS OF NORTH AMERICA PRESENCE



**Scheugenpflug** - GA USA | EV Battery Industry

**Chobani Yoghurt** - Twin Falls, ID | Food Industry

**Fisher Scientific Company LLC** - Suwanee, GA | Laboratory Fume Hood Industry

**John Matthey Catalysts** - Sevierville, TN | Pharmaceutical Industry

**R&D Altanova** - South Plainfield, NJ | Semiconductor Industry

**US Digestive Health at Exton** - Willow Grove, PA | Medical (Gastroenterology)

**Fluid-Quip Incorporated** - Springfield, OH | Agricultural & Pulp Paper Manufacturing

**Vanaire** - Louisville, KY | Water & Air Scrubber Industry

**Greenfield Energy Centre** - ON Canada | Natural Gas Fired Power Plant Industry



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[www.plastecventilation.com](http://www.plastecventilation.com)



Member of AMCA

