

Plastic Constructions & Installations

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Industrial ventilation

giving it air

Belgium
Agfa Gevaert - Melle
Air Products - Lombrefe
AMF - Spie - Brussel
AMI Semiconductor Belgium - Oudenaarde
AZ St-Jan - Brugge
B.L. - Poelkapelle
Bayer - Gent (Fluor Daniel)
Bekaert - Hemiksem
Benichim - Lessines
BIC Systems - Mouscron
Borealis - Killo
BP Chembel - Geel (Jacobs Engineering)
Caldic - Hemiksem (Finchem)
Ceria-Instituut - Brussels
Chemcopack - Antwerpen
Chemogas - Grimbergen
Degussa - Antwerpen
Eurodiol - Feluy
Fuji Hunt - St-Niklaas
Fujifilm Electronic Materials NV- Zwijndrecht
GE Betz - Herentals
Glaverbel - Jumet
GPL - Gent
Hercules (Aqualon) - Doel
Hospithera - Brussels
I.S.P.- Bruxelles
Imtech Projects - Temse
Ineos NV - Antwerp
Inspec Belgium NV - Antwerp
Janssen Pharmaceutica - Beerse
Janssen Pharmaceutica - Geel
Katoennatie - Antwerpen
Kronos Europe - Gent
Labonorm - Kortrijk
Metallo-Chimique - Beerse
Omnichem - Louvain-La-Neuve
Omnichem - Balen
Omnichem - Wetteren
Ontex - Buggenhout
PAB Savoury Liebig Benelux - Schoten
Photovoltech - Tienen
Picanol - Ieper
PPG Industries Belgium NV - Antwerp
Praxair - Oevel
Prayon Rupel - Engls
Proviron Fine Chemicals - Oostende
Sidmar Gent
Struyf NV Oelegem, Beldico - Marche en Famenne
Terumo - Haasrode
UCB - Braine l'Alleud
UCB - Gent
Union Carbide Benelux NV - Antwerp
Van Hool - Koningshooikt

industrial ventilation

Many industrial facilities have processes which produce hazardous dusts, mists, vapors or gases. Preventing occupational exposure to these substances often requires an exhaust system engineered to capture and convey the contaminants or products and clean the exhaust stream to recover valuable material or prevent air pollution.

There are many components of an industrial ventilation system and all of them must function properly and simultaneously.

The "front end" of the system or the hoods are often the most difficult to design. A hood must have the proper configuration, inlet velocity and location to capture the contaminant efficiently.

Once the contaminant has been captured, it must be conveyed to its ultimate destination. This requires a ductwork system designed to accomplish this efficiently, safely, and reliably. The duct sizing and configuration should allow the contaminant to be conveyed at a high enough velocity to prevent the settling of material in the duct while also avoiding excessive velocities and pressure drop. The duct and supports must be fabricated of material which is strong enough to support the pressure differential, its own weight, and the weight of any settled material in the duct.

The fan is the heart of the exhaust system and must be of the proper type, with the proper wheel, and of the proper arrangement and size.

When the duct must also be able to withstand erosion caused by particulates and corrosion caused by chemicals, plastics such as PVC, polyethylene, PP and PPS can offer a great solution depending on your application.

Teblick is specialized in providing effective and economical solutions to help protect your personnel, products and facilities from exposure to airborne contaminants.

