



A Spotless Reputation... With a Guarantee to Prove It!

We've earned our solid reputation by consistently producing top-quality vacuums and offering the industry's most complete selection of vacuum filtration options, attachments and accessories.

We back all of our products with our industry-leading two-year warranty. Nilfisk CFM empowers you with complete buying confidence.

For a list of our major customers in your industry, please contact our headquarters or your local representative.

Visit www.nilfiskcfm.com for more information or call 800-NILFISK for detailed product sheets.

Industrial Vacuums for Hazardous Locations



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It only takes a spark...

An ignitable material, an ignition source and oxygen – all it takes for a potential explosion at your facility. Most manufacturing plants have all three.

In 2006, fatalities involving explosions and fires increased by 26% in the manufacturing sector according to the Bureau of Labor Statistics Census of Fatal Occupational Injuries. In addition to injuries, explosions cost companies millions of dollars. Between 1992 and 2002, Factory Mutual Global’s pharmaceutical and chemical clients experienced dust explosions resulting in \$32 million in losses. Simply put, there’s a lot at stake.



Three Ways To Prevent Disaster

There are a few actions you should take to help prevent explosions, including:

- 1) Minimize fuel concentration levels
- 2) Control ignition sources such as static, flames and heat
- 3) Clean with an industrial vacuum that meets requirements for explosion hazard locations and/or materials

Cleaning with a high-performance, explosion-proof vacuum is critical to help prevent an explosion at your facility. The Nilfisk CFM EXP line of high-performance electric explosion-proof and pneumatic intrinsically safe vacuums with advanced filtration technology safely capture all of the combustible materials dispersed in your plant – everything from fuels and solvents to powders and food residue.

Our powerful machines remove even the finest particulate from your equipment, floors, overhead pipes and walls. And they can be equipped to work with your grinding and sanding tools as well to remove combustible dust before it becomes airborne.

Engineered protection from the ground up

We take no chances when it comes to protecting your facility. Our EXP vacuums are engineered from the ground up to prevent explosions with built-in safety measures such as explosion-proof motors, anti-static filters and outer shells constructed of non-sparking materials. Beware of manufacturers who dress up their base model with a few anti-static accessories and describe it as a suitable vacuum for explosive material.

We feature a line of electric EXP vacuums that are certified “explosion-proof” by a nationally recognized testing lab. There is no legal certification for pneumatic vacuums. however, our intrinsically safe models adhere to the highest levels of conductivity. Our entire line of explosion-proof and intrinsically safe vacuums meet the requirements for use in hazardous environments including Class I, Group D, and Class II, Group E* Groups F and G, locations.

* Special modifications may be necessary to meet Group E requirements.
We reserve the right to evaluate on a case by case basis.

Nilfisk CFM vacuums safely capture these explosive materials

(complete list available at www.nilfiskcfm.com)

- | | |
|--------------------|---------------------|
| • Acetone | • Flour |
| • Almond Shells | • Garlic |
| • Aluminum | • Isopropyl Ether |
| • Aspirin | • Isopropyl Alcohol |
| • Benzene | • Heptane |
| • Carbon Disulfide | • Hexane |
| • Cinnamon | • Hexanol |
| • Coffee | • Pecan Shells |
| • Corn | • Propane |
| • Corn Starch | • Rice |
| • Cyclohexane | • Sugar |
| • Cyclopropane | • Titanium Dust |
| • Ethanol | • Triethylamine |
| • Ethyl Butanol | • Wood Dust |

Proven performance advantages

Nilfisk CFM electric explosion-proof and pneumatic intrinsically safe vacuums help you efficiently clean your plant while protecting you from dangerous explosions by capturing and retaining combustible materials.

Explosion-proof components – all of the internal mechanisms of our vacuums are designed to be explosion-proof, including the motor, switches, filters and inner chambers.

Dust ignition-proof design – above and beyond most other vacuums, Nilfisk CFM EXP models do not permit arcs, sparks or heat otherwise generated inside the enclosure to cause ignition of the exterior atmosphere. Also, any dust blanketing the vacuum will not ignite due to overheating.

Non-sparking material construction – our EXP models products are made from stainless steel or aluminum to prevent a dangerous percussion arc that might otherwise cause a spark.

Advanced filtration technology – optional HEPA and ULPA filters guarantee capture of up to 99.999% of all ultra-fine particles down to and including 0.12 microns in size. This insures that no combustible particulate is exhausted back into the air.

Easy-to-clean design – constructed modularly, our vacuum components are easy to access for fast cleaning, and our stainless-steel vacuums can be quickly decontaminated. Also, most of our EXP vacuums feature dropout collection containers. Most feature an external filter shaker mechanism.

Modular construction – easily expand your Nilfisk and CFM vacuums’ capabilities to meet your changing needs with our full range of compatible accessories and components.

User-friendly features – static control accessories, automated filter purging and many other features reduce maintenance steps and hassle for your team.

When is it time for an explosion-proof vacuum?

Now is the time to upgrade to a high-performance, certified electric explosion-proof or intrinsically safe pneumatic vacuum. Remember, all it takes is one spark.

Nilfisk CFM is the only vacuum manufacturer with a direct sales force ready to support all of your cleaning needs. Our cleaning experts can evaluate your situation and recommend the best vacuum solution for your application.



Explosion-Proof Vacuums and Intrinsically Safe Vacuums

When it comes to vacuuming combustible materials, both electric and pneumatic vacuums can be used as long as they are properly equipped. Only electric vacuums can be certified as explosion-proof – meeting a strict set of industry standards. Properly outfitted pneumatic vacuums are deemed “intrinsically safe” because there is no legal certification for “explosion-proof” pneumatic vacuums. It is important to note that our explosion-proof and intrinsically safe vacuums are specifically engineered to be used in hazardous environments – they’re not just “dressed-up” base models. This enables us to provide our customers the highest level of operational safety without sacrificing performance.