

Respiratory and skin diseases result in very high human costs

The handling of hazardous dust is a complex matter that demands innovative product development and competent engineering. As a specialist, Nilfisk offers proven, state-of-the-art solutions in every Hazard Class involving the demanding task of picking up health endangering dusts.

Working with hazardous dust demands the highest level of safety to ensure maximum health protection. Nilfisk offers Health and Safety vacuum cleaners for hazardous dust classes – **L** (light), **M** (medium), **H** (high), and asbestos, and for explosive dusts classified as ATEX Type 22. All our solutions meet the new pan-European standards and bear all the necessary statutory test symbols. The entire range is designed for professionals who also demand low noise operation, ergonomics, long-life and reliable performance.

SINCE 1997– EN 60335-2-69, IEC 60335-2-69		HAZARD TYPES	DISPOSAL
Dust class / Zone	Max. permeability		
L	1%	Removes 99% of: <ul style="list-style-type: none"> • Dusts with OEL values > 1mg/m³ 	-
M	0.1%	Removes 99.9% of: <ul style="list-style-type: none"> • Dusts with OEL values > 0.1mg/m³ • Wood dust 	Low dust
H	0.005%	Removes 99.995% of: <ul style="list-style-type: none"> • Dusts with OEL values • Carcinogenic dusts • Dusts with germs or bacteria 	Dust free
Asbestos requirement	as H	<ul style="list-style-type: none"> • Asbestos dust 	
Explosive dusts (ATEX Zone 22)	Type 22 - As Dust Class L, M or H, with additional requirements	<ul style="list-style-type: none"> • Dusts of dust explosion classes St1, St2 and St3 in ATEX Zone 22 (previously zone 11) 	Basic machine for ATEX Zone 22 with test M or H



These vacuum cleaners permit picking up dusts from dust class L. These include dusts with OEL values > 1 mg/m³.



These vacuum cleaners permit picking up dusts from dust classes L and M. These include all healthendangering, non-carcinogenic dusts with OEL values > 0.1 mg/m³ and hardwood dusts.



These vacuum cleaners permit picking up dusts from dust classes L, M and H. These include all healthendangering dusts with OEL values, all carcinogenic dusts and dusts contaminated with germs and bacteria.



Asbestos is a group of naturally-occurring inorganic crystalline silicates which are found in the form of fibres. When subjected to mechanical loads these fibres can split, producing ever thinner fibres, which can consequently be deposited in the lungs. Asbestos is not used anymore, but a lot of materials and buildings that contain asbestos have to be renovated. Asbestos dusts are only permitted to be picked up with vacuum cleaners conforming to dust class H.



These vacuum cleaners are approved to pick up explosive/flammmable dust in ATEX Zone 22 as well as dust from dust classes L, M or H. Furthermore these vacuum cleaners are approved to be used as dust extractors.