

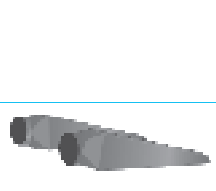



Filters for use in explosive environments



FilterMax DX

Filter model	Airflow, m³/h	Cart-ridges	Filter area, m²	Model	Relief direction	Part no. outdoor
FilterMax DX With integrated control system. For applications where there are explosion risks. For dry dust and fume.	2400-3600	6	60	DX3000 TR	Upwards	12610167
	4800-7200	12	120	DX6000 TR	Upwards	12610267
				DX6000 SR	Backwards	12610367
				DX6000SR/TR	Up- and backwards	12610667
	7200-10800	18	180	DX9000 SR	Backwards	12610467
				DX9000 SRII	Backwards x 2	12610567
DX9000 SR/TR				Up- and backwards	12610767	

FilterMax DX System parts	Part no.	
 Relief duct adapter	12372765	
 Dust container kit 50l, Including adapter and extension legs	12372663	
	Filter-PWA-95-10-6 (6 Pack) Antistatic. For coarse dust, 99 % at 5 um, washable, 10 m².	12372749
	Filter-PWA-95-12-6 (6 pack). Antistatic. For medium dust, 99 % at 5 um, washable, 1 m².	12373757
	Filter-PWA PTFE-95-12-6 (6 pack). Antistatic. For fine dust, 99,9 % at 5 um, 10 m².	12373337
	Filter PW-95-12-6 (6 pack). For fumes and fine particles, 99 % at 5 um, 12 m² ONLY for dust with MIE>100 mJ.	12373301
	Inlet / Outlet DX Ø 0,25 m.	12372664
	Inlet / Outlet DX Ø 0,315 m.	12372665
	Inlet / Outlet DX Ø 0,4 m.	12372666
	Inlet / Outlet DX Ø 0,5 m.	12372667

Filter Cartridges

A number of different types of filter cartridges are available to deal with the contaminants. These are chosen depending on the source of the contaminant and the required degree of filtration. The type and intensity of the operations will determine the life of the cartridge, typically around 6000 hours of continual use.

Filter cartridges are chosen depending on specific filtration requirements defined by particle characteristics and required efficiency. Cartridges are cleaned using powerful, pulsed shockwaves. The DF, F and DX units are fitted with automatic control systems for cleaning during and after operation.

All FilterMax filters are available for indoor and outdoor use (except the C25 – indoor use only).

Cartridge guide

Contaminant	Type	Filtration
Fumes and fine particles (Light and heavy welding, heavy load dust)	Basic PolyWeb	99% at 0.5 µm
Medium to coarse particles (Dry dust and grinding, heavy load dust)	PolyWeb	99% at 0.5 µm
Fine to medium particles, sticky (Heavy load dust, oxy-fuel cutting, light/medium/heavy plasma cutting)	PolyWeb PTFE	99.9% at 0.5 µm
Medium to coarse particles Ignition sensitive (Dry dust and grinding, heavy load dust)	PolyWeb Antistatic	99 % at 0.5 µm
Medium to coarse particles, sticky Ignition sensitive (Dry dust and grinding, heavy load dust)	PolyWeb Antistatic PTFE	99.9% at 0.5 µm

All cartridges are washable except Basic PolyWeb

Recommended required filter area

Operation	Filter load m³/m²h	Notes
Dry dust and grinding	60	Fire risk working on oily steel
Light welding	50	"
Heavy welding	40	"
Heavy load dust	40	Requires dust feeder
Oxy-fuel cutting	30	High fire risk pre-separator required
Plasma cutting:		
Light cutting	30	Fire risk pre-separator required
Medium cutting	25	"
Heavy cutting	15	"