

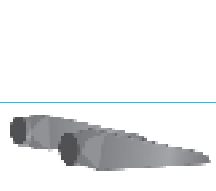



## Filters for use in explosive environments



FilterMax DX

| Filter model   | Airflow, m <sup>3</sup> /h | Cart-ridges | Filter area, m <sup>2</sup> | Model             | Relief direction  | Part no. outdoor |
|--|----------------------------|-------------|-----------------------------|-------------------|-------------------|------------------|
| FilterMax DX<br>With integrated control system.<br>For applications where there are explosion risks.<br>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 SR/II      | 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 m <sup>2</sup> .                     | 12372749 |
|  | Filter-PWA-95-12-6 ( 6 pack). Antistatic. For medium dust, 99 % at 5 um, washable, 1 m <sup>2</sup> .                     | 12373757 |
|  | Filter-PWA PTFE-95-12-6 ( 6 pack). Antistatic. For fine dust, 99,9 % at 5 um, 10 m <sup>2</sup> .                         | 12373337 |
|  | Filter PW-95-12-6 ( 6 pack). For fumes and fine particles, 99 % at 5 um, 12 m <sup>2</sup> 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 m <sup>3</sup> /m <sup>2</sup> h | 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 |
| <b>Plasma cutting:</b> |  |                                       |
| Light cutting          | 30   | Fire risk pre-separator required      |
| Medium cutting         | 25   | "                                     |
| Heavy cutting          | 15   | "                                     |