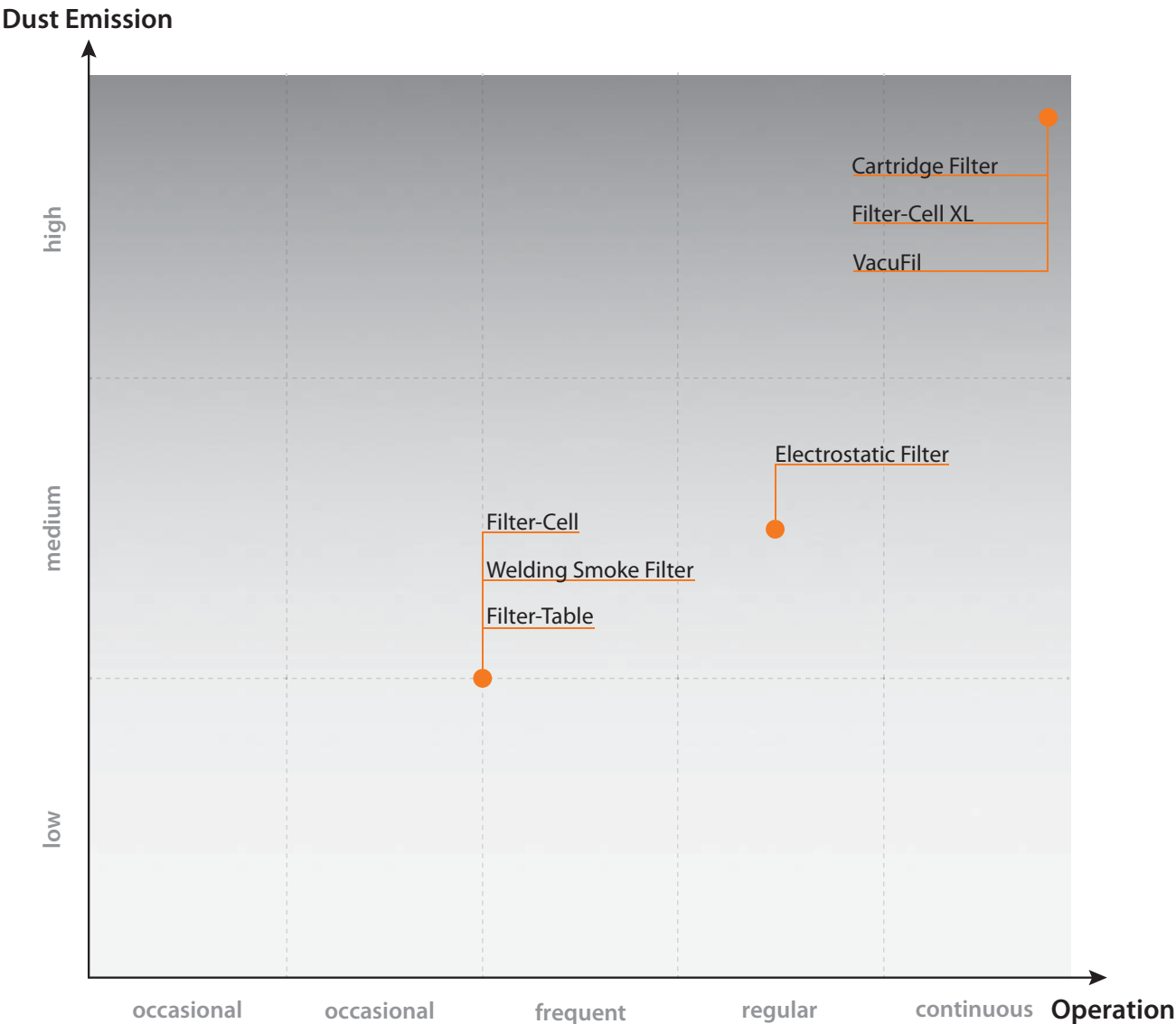


# Range of application for stationary filter units



|                                                | Welding Smoke Filter | Filter-Cell | Filter-Table | Electrostatic Filter | Cartridge Filter | Filter-Cell XL | VacuFil |
|------------------------------------------------|----------------------|-------------|--------------|----------------------|------------------|----------------|---------|
| High-alloy steel<br>non-ferrous metal<br>(IFA) | ✓*                   | ✓*          | ✓*           | ✓*                   | ✓*               | ✓*             | ✓*      |
| TIG welding<br>Chromium nickel steel           | ✓*                   | ✓*          | ✓*           | ✓*                   | -                | -              | -       |

\* Units can be operated with outgoing air

# Selection criteria for stationary filter units

## According to application

| Emission rate                                                                         | Material                                     | Use                                                 |                                                                       |                                                                       |                                                                                |
|---------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Application example                                                                   |                                              | Occasional                                          | Occasional to frequent                                                | Regular                                                               | Continuous                                                                     |
| Class I & II<br>< 1 - 2 mg/s<br>submerged arc welding<br>TIG welding<br>Laser welding | <b>Non-alloy<br/>Low-alloy</b>               | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil          |
|                                                                                       | <b>Aluminium</b>                             | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil          |
|                                                                                       | <b>High-alloy<br/>non-ferrous metal</b> *2   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Cartridge Filter *1<br>Electrostatic Filter<br>Filter-Cell XL *1<br>VacuFil *1 |
| Class III<br>2-25mg/s<br>Electric arc welding<br>MIG/MAG welding                      | <b>Non-alloy<br/>Low-alloy<br/>Aluminium</b> | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                                  |
|                                                                                       | <b>High-Alloy<br/>non-ferrous metal</b> *2   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell                   | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                                  |
| Class IV<br>> 25mg/s<br>Flux-cored wire welding                                       | <b>non-alloy<br/>Low alloy<br/>Aluminium</b> | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                         | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                                  |
|                                                                                       | <b>high alloy<br/>non-ferrous metal</b> *2   | Welding Smoke Filter<br>Filter-Table<br>Filter-Cell | Cartridge Filter<br>Electrostatic Filter<br>Filter-Cell XL<br>VacuFil | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                         | Cartridge Filter<br>Filter-Cell XL<br>VacuFil                                  |

Recommendations based on European norms and expected change or cleaning intervals of the filters.

\*1 except TIG welding of chromium-nickel-steel

\*2 Units can be operated with outgoing air duct