



ADVANTAGES

- 100% filter scan tested according to ISO29463
- Individual efficiency test reports
- High dust holding capacity
- Manufactured and packed in a controlled environment
- Developed for microelectronic cleanrooms and equipment
- Ideal for nanoparticle filtration (100 nm)
- No organic outgassing from test aerosol
- Ultra-low outgassing (dopant free) components

| | |
|---------------------------------|--|
| Application | Microelectronic cleanrooms and equipment.Nanoparticle filtration |
| Frame | Anodized aluminium |
| Gasket | EPDM |
| Media | Glass fiber |
| Separator | Hot-melt |
| Sealant | Polyurethane |
| Grille, Upstream | Expanded metal painted |
| Grille, Downstream | Expanded metal painted |
| Rec. final pressure drop | MD: 500 Pa, MX: 600 pa, MG:800 Pa |
| Max airflow | Nominal flow rate (if not, efficiency drops) |
| Max Temperature (°C) | 70°C |
| Relative Humidity max | 100% |
| Comment | Test: 100% individual scan test according to EN1822, IEST RP-CC007 or required standard Test aerosol: PSL. Oil free Fire rating: UL900 & FM4920 Remarks: Many frame options and dimensions are available on request |

| Type | EN1822 | Dimensions WxHxD (mm) | Pressure drop (Pa) | Filter Efficiency Particle d=20nm | Filter Efficiency Particle d=100-200nm | Filter Efficiency Particle d=300nm |
|----------------|--------|-----------------------|--------------------|-----------------------------------|--|------------------------------------|
| Fabsafe MD H13 | H13 | 1170x1170x66 | 110 | ≥99.99999% | ≥99.95% | ≥99.97% |
| Fabsafe MD H13 | H13 | 1170x570x66 | 110 | ≥99.99999% | ≥99.95% | ≥99.97% |
| Fabsafe MD H14 | H14 | 1170x1170x66 | 130 | ≥99.999999% | ≥99.995% | ≥99.997% |
| Fabsafe MD H14 | H14 | 1170x570x66 | 130 | ≥99.999999% | ≥99.995% | ≥99.997% |
| Fabsafe MX H14 | H14 | 1170x1170x90 | 90 | ≥99.999999% | ≥99.995% | ≥99.997% |
| Fabsafe MX H14 | H14 | 1170x570x90 | 90 | ≥99.999999% | ≥99.995% | ≥99.997% |
| Fabsafe MG H14 | H14 | 1170x1170x110 | 60 | ≥99.999999% | ≥99.995% | ≥99.999% |
| Fabsafe MG H14 | H14 | 1170x570x110 | 60 | ≥99.999999% | ≥99.995% | ≥99.999% |
| Fabsafe MD U15 | U15 | 1170x1170x66 | 140 | ≥99.9999999% | ≥99.9995% | ≥99.9997% |
| Fabsafe MD U15 | U15 | 1170x570x66 | 140 | ≥99.9999999% | ≥99.9995% | ≥99.9997% |
| Fabsafe MX U15 | U15 | 1170x1170x90 | 110 | ≥99.9999999% | ≥99.9995% | ≥99.9997% |
| Fabsafe MX U15 | U15 | 1170x570x90 | 110 | ≥99.9999999% | ≥99.9995% | ≥99.9997% |
| Fabsafe MG U15 | U15 | 1170x1170x110 | 80 | ≥99.9999999% | ≥99.9995% | ≥99.9999% |
| Fabsafe MG U15 | U15 | 1170x570x110 | 80 | ≥99.9999999% | ≥99.9995% | ≥99.9999% |
| Fabsafe MX U16 | U16 | 1170x1170x90 | 130 | ≥99.99999999% | ≥99.99995% | ≥99.99997% |
| Fabsafe MX U16 | U16 | 1170x570x90 | 130 | ≥99.99999999% | ≥99.99995% | ≥99.99997% |
| Fabsafe MG U16 | U16 | 1170x1170x110 | 90 | ≥99.99999999% | ≥99.99995% | ≥99.99999% |
| Fabsafe MG U16 | U16 | 1170x570x110 | 90 | ≥99.99999999% | ≥99.99995% | ≥99.99999% |

*Other sizes available on request