

Safety Filter – HS-Strongshield EX



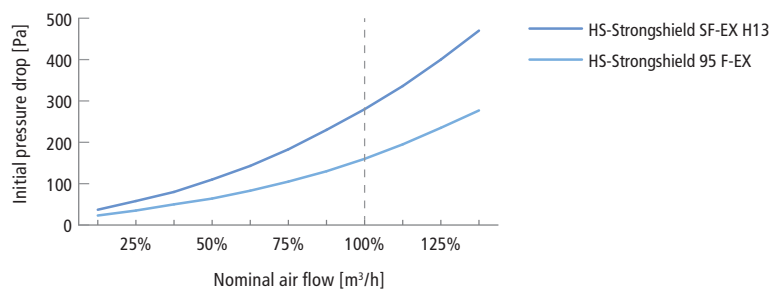
HS-Strongshield Filters offer the maximum security at processes with high hazard risk potentials. The groundbreaking HS-Strongshield filter technology provides a superior media tensile strength up to 400% higher than usual glass media. Different to usual Filters the HS-Strongshield filtermedia is armored by rigid layers of polyester. This ensures that HS-Strongshield filters offer an unmatched safety at extreme conditions such as high moisture, shock pressures, accident failures of pre-filterstages, presence of explosive atmospheres etc.. The air entry side of the filters is metalized and conductive to deplete any electrical potentials that can cause ignitions by grounding connectors on the filter. Hence HS-Strongshield filters ideally suit the safety needs of processes in ATEX areas. No additional protective grids are required due to the robust media structure. HS-Strongshield filters are dedustable by typical pulsejet or blast systems.



| Type: | HS-Strongshield 95 F-EX | HS-Strongshield SF-EX H13 |
|-------------------------------------|-------------------------|---------------------------|
| Class EN 779 / EN 1822 | F9 | H13 |
| Class ISO 16890 | ISO ePM1 80% | - |
| Initial-ΔP [Pa] at nominal air flow | 160 | 280 |
| Max. temp. [°C] | 65° / opt. 120°C | 65° / opt. 120°C |

| Width | Dimensions [mm] | | | Nominal air flow [m³/h] | |
|-------|-----------------|-------|--|-------------------------|------|
| | Height | Depth | | F9 | H13 |
| 305 | 305 | 78 | | 670 | 250 |
| 305 | 610 | 78 | | 1500 | 540 |
| 610 | 610 | 78 | | 1650 | 1100 |
| 305 | 305 | 150 | | 890 | 330 |
| 305 | 610 | 150 | | 1500 | 700 |
| 610 | 610 | 150 | | 3400 | 1500 |
| 762 | 610 | 150 | | 3750 | 1900 |
| 305 | 305 | 292 | | 1000 | 520 |
| 305 | 610 | 292 | | 1900 | 1050 |
| 610 | 610 | 292 | | 4750 | 2100 |

Please ask for other desired dimensions and designs.



| | |
|-------------------------------|---|
| Frame | <ul style="list-style-type: none"> galv. steel (standard) MDF or plywood ABS Plastic (120°C) stainless steel |
| Operational conditions | <ul style="list-style-type: none"> max. rel. h. 100 [%] up to 65[°C], opt. 120[°C] media tensile strength is not reduced at high air humidity |
| Spacers | thermoplastic (Minipleat) |
| Filtermedia | <ul style="list-style-type: none"> armored glass fibre media (air entry side is electrically conductive for useage in ATEX protection zones) waterrepellent, moisture resistant Filter ist dedustable by pulse jet or blast (please contact us for further details) |
| Combustible | YES (frame MDF, plywood, ABS) |
| Options | <ul style="list-style-type: none"> optional: <i>without</i> functionality protection grid (single or both sides) [usually not needed with this filter] enlarged filter surface for higher flow and/or dust holding capacity handles gasket on both sides, special gaskets special adaptations i.e.: grooves, guide rails, grounding plates |