

## AbSo-150-P125



**Model:** AH13-610x610x150-10/02-125  
**AH13:** Absolute filter, H13-class EN1822  
**610x610x150:** Size WxLxD mm  
**10/02:** Gasket Air Inlet/ Grid air outlet  
**135:** Pleat Depth mm  
**MGT Ref:** HF13GREN1PG-610x610x150

### APPLICATIONS

- EPA-HEPA Filters absolute air filtration
- Clean room ventilation systems
- Used in microelectronics, food, photography, data centers, hospital, medical equipment industry.

### Turbulent Flow Absolute Filters

**Frame:** Galvanized  
**Media:** Micro Glass Fibre  
**Surface Grid:** Air outlet  
**Gasket Type:** Polyurethane  
**Gasket Direction:** Air Inlet  
**Filter Stage:** III-IV

**MPPS Efficiency EN 1822:**  
H13 ( $\geq 99.95\%$ ), H14 ( $\geq 99.995\%$ ),  
U15 ( $\geq 99.9995\%$ ), E10 ( $\geq 85\%$ ),  
E11 ( $\geq 95\%$ ), E12 ( $\geq 99.5\%$ )  
**Max. Temperature:** 80°C  
**Relative Humidity:** 100%  
**Rec. Final Pressure Drop:** 600 Pa

**Fire Resistance Class:** K1/F1 According to DIN53438

| Model                      | P/N       | MGT's Reference | Size WxLxD  | Filter Class EN 1822 | Pleat Depth mm | Filter Area m <sup>2</sup> | Air Flow m <sup>3</sup> /h | Pressure Drop Pa | Weight kg |
|----------------------------|-----------|-----------------|-------------|----------------------|----------------|----------------------------|----------------------------|------------------|-----------|
| AH13-305x305x150-10/02-125 | 141501ESM | HF13GREN1PG     | 305x305x150 | H13                  | 125            | 5                          | 550                        | 250              | 3         |
| AH13-305x610x150-10/02-125 | 141502ESM | HF13GREN1PG     | 305x610x150 | H13                  | 125            | 11.3                       | 1050                       | 250              | 5         |
| AH13-457x457x150-10/02-125 | 141503ESM | HF13GREN1PG     | 457x457x150 | H13                  | 125            | 11.5                       | 1150                       | 250              | 5.5       |
| AH13-457x610x150-10/02-125 | 141504ESM | HF13GREN1PG     | 457x610x150 | H13                  | 125            | 11.5                       | 1550                       | 250              | 6.5       |
| AH13-610x610x150-10/02-125 | 141505ESM | HF13GREN1PG     | 610x610x150 | H13                  | 125            | 20.5                       | 2100                       | 250              | 8         |
| AH13-610x762x150-10/02-125 | 141506ESM | HF13GREN1PG     | 610x762x150 | H13                  | 125            | 25.5                       | 2600                       | 250              | 9.5       |
| AH13-610x915x150-10/02-125 | 141507ESM | HF13GREN1PG     | 610x915x150 | H13                  | 125            | 31                         | 3125                       | 250              | 11        |
| AH14-305x305x150-10/02-125 | 141508ESM | HF14GREN1PG     | 305x305x150 | H14                  | 125            | 5                          | 500                        | 250              | 3         |
| AH14-305x610x150-10/02-125 | 141509ESM | HF14GREN1PG     | 305x610x150 | H14                  | 125            | 11.3                       | 975                        | 250              | 5         |
| AH14-457x457x150-10/02-125 | 141510ESM | HF14GREN1PG     | 457x457x150 | H14                  | 125            | 11.5                       | 1050                       | 250              | 5.5       |
| AH14-457x610x150-10/02-125 | 141511ESM | HF14GREN1PG     | 457x610x150 | H14                  | 125            | 11.5                       | 1425                       | 250              | 6.5       |
| AH14-610x610x150-10/02-125 | 141512ESM | HF14GREN1PG     | 610x610x150 | H14                  | 125            | 20.5                       | 1950                       | 250              | 8         |
| AH14-610x762x150-10/02-125 | 141513ESM | HF14GREN1PG     | 610x762x150 | H14                  | 125            | 25.5                       | 2400                       | 250              | 9.5       |
| AH14-610x915x150-10/02-125 | 141514ESM | HF14GREN1PG     | 610x915x150 | H14                  | 125            | 31                         | 2900                       | 250              | 11        |
| AE10-305x305x150-10/02-125 | 141551ESM | HF10GREN1PG     | 305x305x150 | E10                  | 125            | 5                          | 925                        | 250              | 3         |
| AE10-305x610x150-10/02-125 | 141552ESM | HF10GREN1PG     | 305x610x150 | E10                  | 125            | 11.3                       | 1850                       | 250              | 5         |
| AE10-457x457x150-10/02-125 | 141553ESM | HF10GREN1PG     | 457x457x150 | E10                  | 125            | 11.5                       | 2050                       | 250              | 5.5       |
| AE10-457x610x150-10/02-125 | 141554ESM | HF10GREN1PG     | 457x610x150 | E10                  | 125            | 11.5                       | 2750                       | 250              | 6.5       |
| AE10-610x610x150-10/02-125 | 141555ESM | HF10GREN1PG     | 610x610x150 | E10                  | 125            | 20.5                       | 3700                       | 250              | 8         |
| AE10-610x762x150-10/02-125 | 141556ESM | HF10GREN1PG     | 610x762x150 | E10                  | 125            | 25.5                       | 4600                       | 250              | 9.5       |
| AE10-610x915x150-10/02-125 | 141557ESM | HF10GREN1PG     | 610x915x150 | E10                  | 125            | 31                         | 5525                       | 250              | 11        |

**MADE IN TURKEY**

Manufacturer: MGT

| Model                      | P/N       | MGT's Reference | Size WxLxD  | Filter Class EN 1822 | Pleat Depth mm | Filter Area m² | Air Flow m³/h | Pressure Drop Pa | Weight kg |
|----------------------------|-----------|-----------------|-------------|----------------------|----------------|----------------|---------------|------------------|-----------|
| AE11-305x305x150-10/02-125 | 141558ESM | HF11GREN1PG     | 305x305x150 | E11                  | 125            | 5              | 750           | 250              | 3         |
| AE11-305x610x150-10/02-125 | 141559ESM | HF11GREN1PG     | 305x610x150 | E11                  | 125            | 11.3           | 1500          | 250              | 5         |
| AE11-457x457x150-10/02-125 | 141560ESM | HF11GREN1PG     | 457x457x150 | E11                  | 125            | 11.5           | 1650          | 250              | 5.5       |
| AE11-457x610x150-10/02-125 | 141561ESM | HF11GREN1PG     | 457x610x150 | E11                  | 125            | 11.5           | 2200          | 250              | 6.5       |
| AE11-610x610x150-10/02-125 | 141562ESM | HF11GREN1PG     | 610x610x150 | E11                  | 125            | 20.5           | 2950          | 250              | 8         |
| AE11-610x762x150-10/02-125 | 141563ESM | HF11GREN1PG     | 610x762x150 | E11                  | 125            | 25.5           | 3700          | 250              | 9.5       |
| AE11-610x915x150-10/02-125 | 141564ESM | HF11GREN1PG     | 610x915x150 | E11                  | 125            | 31             | 4400          | 250              | 11        |
| AE12-305x305x150-10/02-125 | 141565ESM | HF12GREN1PG     | 305x305x150 | E12                  | 125            | 5              | 575           | 250              | 3         |
| AE12-305x610x150-10/02-125 | 141566ESM | HF12GREN1PG     | 305x610x150 | E12                  | 125            | 11.3           | 1150          | 250              | 5         |
| AE12-457x457x150-10/02-125 | 141567ESM | HF12GREN1PG     | 457x457x150 | E12                  | 125            | 11.5           | 1300          | 250              | 5.5       |
| AE12-457x610x150-10/02-125 | 141568ESM | HF12GREN1PG     | 457x610x150 | E12                  | 125            | 11.5           | 1700          | 250              | 6.5       |
| AE12-610x610x150-10/02-125 | 141569ESM | HF12GREN1PG     | 610x610x150 | E12                  | 125            | 20.5           | 2300          | 250              | 8         |
| AE12-610x762x150-10/02-125 | 141570ESM | HF12GREN1PG     | 610x762x150 | E12                  | 125            | 25.5           | 2850          | 250              | 9.5       |
| AE12-610x915x150-10/02-125 | 141571ESM | HF12GREN1PG     | 610x915x150 | E12                  | 125            | 31             | 3450          | 250              | 11        |

## Other Options:

**Frame:** Aluminum, SS304, SS316

**Media:** High Heat (Max. 120°C)

**Flange Type:** Without, 25mm Single, 25mm Double, 20mm Single, 20mm Double, Custom Size

**Surface Grid:** Without, Both side

**Gasket type:** Without gasket, Rubber, EPDM, High heat.

**Gasket direction:** No, Air Outlet, Both side

**Hygiene certification:** HEPA FILTER | VDI 6022 Blatt 1:2018, DIN 1946-4:2018, ISO 846:2019 Plastics, BS EN 17141:2020.

**Food contact Conformity:** HEPA Filter (available on request) | (EC) No 1935/2004, (EC) No 2002/72, (EU) No 10/2011, (EU) No 2020/1245, U.S. FDA-Determining the Regulatory Status of Components of a Food Contact Material.

Other dimensions on demand  
Pressure drop  $\pm 15\%$   
Deep pleat  
High air flow  
Low pressure drop

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