

MANN+HUMMEL  
Industrial Air  
TI-100 and  
TI-APM

# TI-100 and TI-APM

## Clean air everywhere



CLEAN  
AIR



POWER  
GENERATION



CLEAN ROOM



INDUSTRIAL



MARINE

TI-100 and TI-APM are high efficiency, high capacity air filters/coalescers suited for use in industrial applications for rotating machinery like engines, gas turbines and smooth flow compressors. The TI-APM can be used in land-based as well as in marine or offshore applications.

### MEDIA

TI-100 and TI-APM are a disposable media of continuous glass fibres with progressive density and coated with an adhesive. These features give the media a high efficiency and a high dust holding capacity. The air leaving side of the TI-APM is blue and of the TI-100 green.

### INSTALLATION

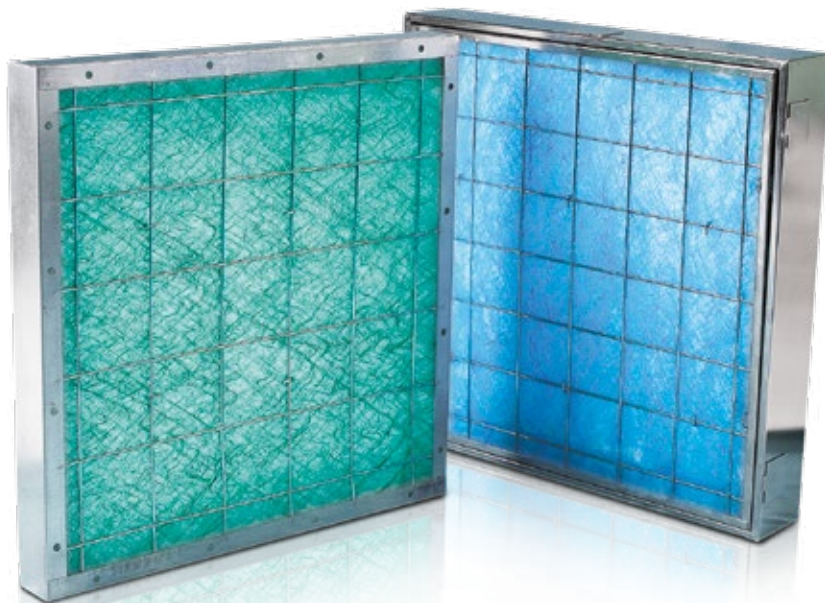
TI-APM has a free expanded depth of 125 mm and the TI-100 is 100 mm thick. When installed in a single filter frame the media is compressed to 50 mm increasing the efficiency even further.

### FRAMES

Both coalescers can be installed in a standard filter frame with a hinged front, or alternatively in specially designed filter cassettes. Double deep frame for two filters in series are also available. The frames are offered in galvanized or stainless steel.

### KEY FACTS

- Continuous glass fibres with progressive density: Gives a higher efficiency without compromising pressure drop
- High arrestance: For cleaner applications
- Combined air filter and water coalescer: Ideally suited for coastal applications
- Available in double depth filter frames: For demanding applications



# Technical data and standard sizes



## TI-100 STANDARD SIZES

**Frames:** 595 x 595 x 50 mm (single filter)  
595 x 595 x 100 mm (double filters)

**Filter:** 610 x 610 x 100 mm  
Special sizes upon request.



## TI-APM STANDARD SIZES

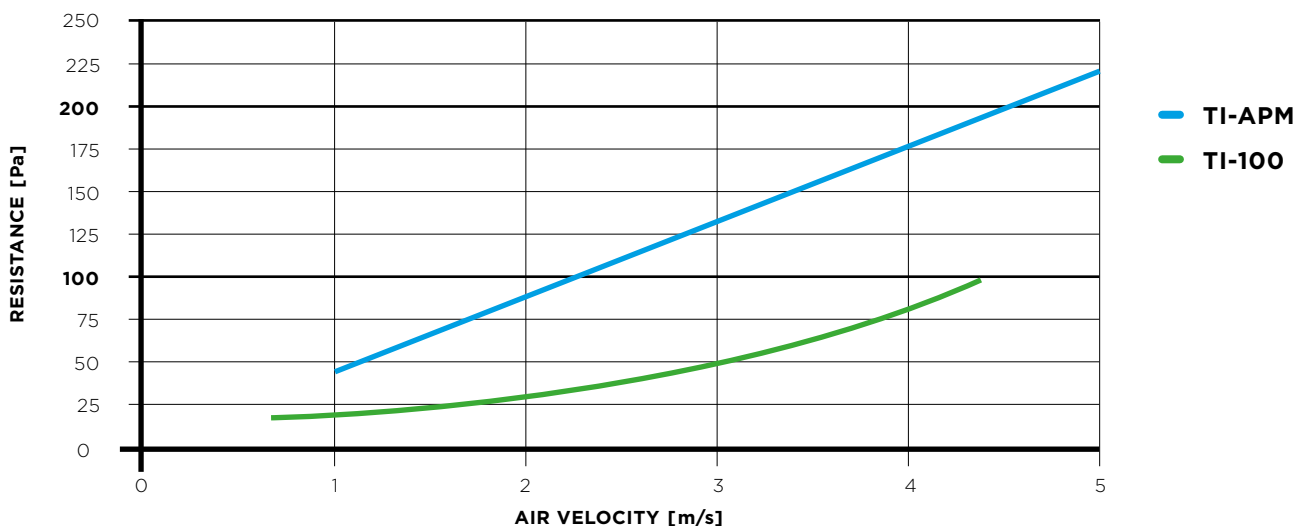
**Frames:** 595 x 595 x 50 mm (single filter)  
595 x 595 x 100 mm (double filters)

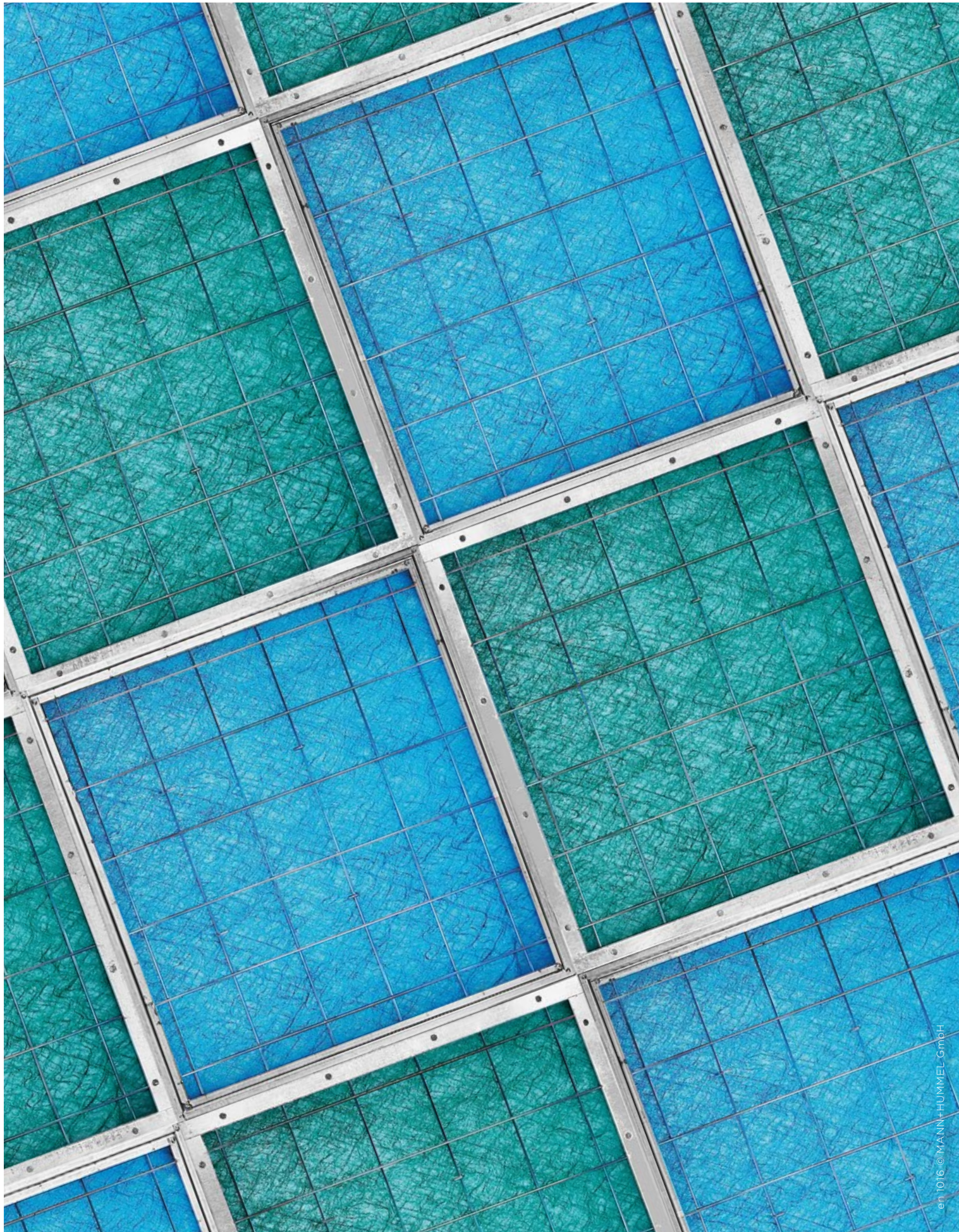
**Filter:** 610 x 610 x 125 mm  
Special sizes of pads or rolls upon request.

### Technical datas

Air Filter	TI-100	TI-APM
Filter class	G3	G4
Thickness	100 mm	125 mm
Average dust arrestance	89 %	93 %
Nominal face velocity	2.5 m/s	2.5 m/s
Initial resistance	40 Pa	105 Pa
Rec. final resistance	250 Pa	250 Pa
Dust holding capacity	3,000 g/m <sup>2</sup> (SAE)	5,340 g/m <sup>2</sup> (SAE)
Colour inlet/outlet	white/green	white/blue

### AIRFLOW RESISTANCE





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