

# Synsafe

## Synthetic Air Filter Media



CLEAN  
AIR

**Synsafe is a high quality air filter media with excellent dust holding performance. Available in filter classes G2–M5, Synsafe Media is intended for the coarse and fine filtration of supply and exhaust air in a number of environments.**



POWER  
GENERATION

Constructed from synthetic fibres, Synsafe Media features a progressive structure where the density of the filter mat gradually increases with the depth of the material. This prevents early surface clogging of the filter material and results in high dust holding capacity and long service life.



CLEAN  
ROOM

Synsafe Media is mechanically and thermally bonded, so that the structure and properties of the filter material are retained even under difficult operating and climatic conditions.



INDUSTRIAL

Furthermore, Synsafe Media has a high resistance to mechanical stresses, reducing the risk of damage on installation in ceiling frames and wire cages.

### KEY FACTS

- High performance synthetic fibres
- High dust holding capacity
- Progressive density
- Robust and durable
- Filter classes G2–M5
- Mechanically and thermally bonded



# Synsafe

## Technical Data

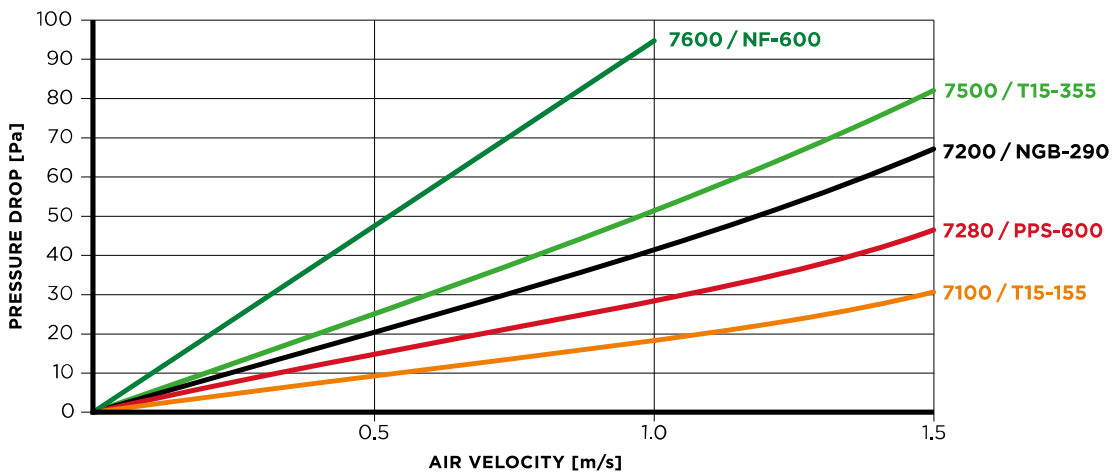
The media detailed below represents a small selection from the wide MANN+HUMMEL range. Other grades and designs are available to order.

Article No.	7100 / T15-155	7200 / NGB-290	7280 / PPS-600	7500 / T15-355	7600 / NF-600
Filter Class*	G2	G3/G4	G3/G4	G4	M5
Arrestance (%)	80-90	80-90	80-90	90-95	> 95
Fire Resistance**	F1	F1	F1	F1	F1
Depth (mm)	12	21	50	22	20
Weight (g/m <sup>2</sup> )	140	270	330	330	270
Max. Temperature (°C)	70	70	70	70	70
Max. Humidity (%)	100	100	100	100	100
Colour - Inlet Side	White	White	Blue	White	White
Colour - Outlet Side	White	White	White	White	White
Width x Length (m) - Standard Rolls***	1x50 / 2x50	1x20 / 2x20	1x10 / 2x10	1x20 / 2x20	1x20 / 2x20

\*) EN779:2012 \*\*) DIN 53 438 part 3 \*\*\*) Special rolls can be supplied in any width between 0.1 to 2 metres. Filter mats can be supplied in optional size.

### PRESSURE DROP - AIR VELOCITY

Recommended final pressure drop: 2 - 2.5 times initial pressure drop.



#### ACCESSORIES

MANN+HUMMEL has a wide range of frames, filter banks and filter casings for integration into other units.



#### ORDERING KEY

Ordering example:  
Synsafe 7200 (W x L)