FEATURES AND BENEFITS OF FILTA-MATIX DUPLEX PANEL FILTERS

PRIMARY STAGE

The tackifier impregnated glass media pad prolongs the intervals between washing of conventional pleated panel filters.

SECONDARY STAGE

The secondary stage consists of fully washable media in various pleat depths.

THE COMBINATION

The combination of a tackifier impregnated primary stage followed by washable, pleated secondary stage, reduces maintenance due to prolonged cleaning intervals (Factor 3 – 4). This is due to the extraordinary high dust holding capacity created by the 2-Stage design.

COST EFFECTIVE

The glass media pad is a low cost, disposable item which provides extended life of the washable secondary stage. Instead of replacing costly pleated filters, only replace the pad at a fraction of the cost.

REDUCED MAINTENANCE

Less cleaning and washing results in reduced labour and maintenance costs.

DUST HOLDING CAPACITY

The Duplex execution offers extraordinary high dust holding capacity.

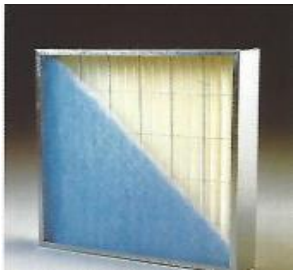
PERFORMANCE

Excellent arrestance levels are achieved ensuring optimum dust control.

THE SUPERIOR CONCEPT

Low cost glass pad with excellent dust holding capacity at first stage

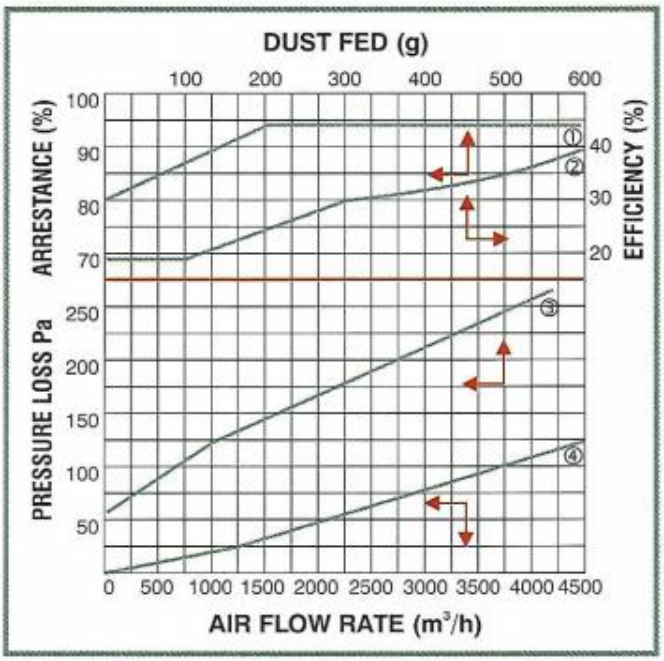
Pleated, extended surface area, secondary stage which is fully washable



The Duplex filter that guarantees major cost savings and reduced levels of maintenance

1. Arrestance VS Dust Fed at Nominal Air Flow
2. Pressure Loss VS Dust Fed at Nominal Air Flow.
3. Pressure Loss VS Dust Fed
4. Pressure Loss VS Air Flow

SUMMARY OF TEST RESULTS	
Arrestance	92%
Efficiency	35%
Differential Pressure At Rated Flow	80 Pa
Final Differential Pressure	250 Pa
Dust Holding Capacity	550 g



INDEPENDENT TESTS

South African Bureau of Standards 1424 – 1987

Eurovent Standard (Eu)

DIN Standard 24185

DIN Standard 53438

Ashrae 52 – 76 Standard

MAIN APPLICATIONS

* Air Filtration to Air-Conditioning & Ventilation Systems
* Air Filtration to Paint Spray Booths
* Air Filtration to Laboratories & Offices
* Air Filtration to Motor Control Rooms
* Air Filtration to Compressors & Blowers
* Air Filtration to Winders (Surface & Underground)
* As Pre-Filters before Finer Secondary Filters
* Areas where Labour Intensive Washing Procedures are to be minimised.

NOMINAL STANDARD SIZES - MM	RATED AIR FLOW M3/HOUR	RESISTANCE - PA INITIAL	FINAL	ARRESTANCE LEVELS
600 X 600	3400	60	250	92%
500 X 500	2300	60	250	92%
625 X 500	2900	60	250	92%
625 X 400	2300	60	250	92%
500 X 400	1850	60	250	92%
ALSO MANUFACTURED IN 100, 150 AND 200MM PLEAT DEPTHS SPECIAL SIZES ARE PRODUCED WHEN REQUIRED				