



DuraCel[®] RM

High Efficiency Cartridge Filter

- High efficiency
- High dust holding capacity
- Temperature limits: up to 150°C intermittent, 120°C continuous
- Economical in use
- High blow-out pressure



Application

DuraCel RM is a heavy duty, high efficiency filter designed for use with centrifugal compressors and gas turbines where severe surging and pulsation occur.

Construction

DuraCel RM has metal cell sides with spot welded face guards and a flange header on the air entering and air leaving sides. The media pack is folded between aluminium separators in a pleated design. The edges of the separators are longer than the inside folds of the media. This construction prevents the separators from moving and puncturing

the media. The filter media is a finely woven glass mat which is capable of operating temperatures up to 150°C.

Two versions are available: RM-60 and RM-90.

The filtering efficiency of the RM-90 is in excess of 99% by the weight test method.

The filtering efficiency of the RM-60 is 98% by the weight test method.

Installation and Maintenance

DuraCel RM filters are replaceable with other AAF filters and with competitive brands without any alteration to the filter frame.

When installing DuraCel RM filters, be sure to insert them in the proper

direction to the airflow as indicated by the eyes and hands located on the cell side. Place the filter in the frame, secure the filter against the frame gasket by rotating the spring lock into position, and tighten the thumb screws.

Where the DuraCel RM frame is flush against a plenum wall and wing nuts cannot be used, hex nuts are provided for securing the spring lock. Spring locks are staggered to prevent interference with the adjacent filter frames.

DuraCel RM filters are fully disposable when their final resistance has been reached. There are no wire baskets or other retaining devices required to change the filters.





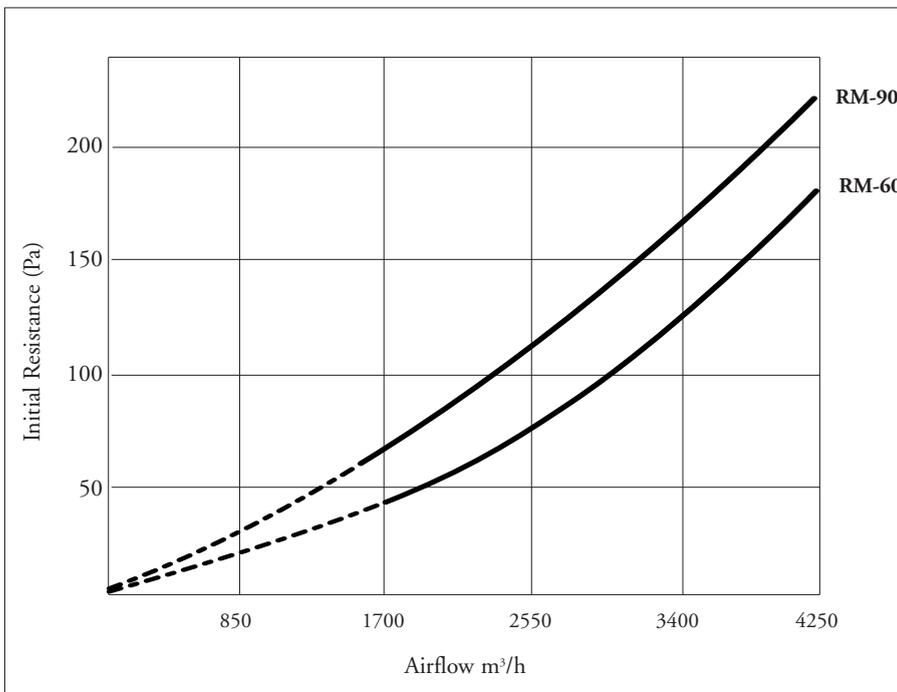
DuraCel® RM

Technical Data

Model Number	RM-60	RM-60	RM-90	RM-90
Cell size (inch)	24x24x12	24x24x6	24x24x12	24x24x6
Actual size (mm)	594x594x292	594x594x149	594x594x292	594x594x149
Airflow (Std.) (m ³ /h)	3400	1700	3400	1700
Initial resistance (Pa)	135	135	180	180
Recommended final resistance (Pa)	635	635	635	635
Average atmospheric dust spot efficiency (%)	66	66	88	88
Average arrestance by weight on AC Fine Test Dust (%)	98	98	99	99

Air Flow Resistance

Clean DuraCel RM (24x24x12) Rated Airflow - 3400 m³/h



Dimensions

DuraCel RM is available in two standard sizes: 24 x 24 x 12 inch and 24 x 24 x 6 inch with ratings of 3400 m³/h and 1700 m³/h respectively.

These ratings are nominal and the best performance is obtained when the filters are operated close to these ratings. The filter may be used at other air volumes to meet individual requirements. This will affect the filter life and, therefore, the intervals between replacements.

Special sizes are also available in 24 x 12 x 12 inch (1700 m³/h) and 24 x 12 x 6 inch (850 m³/h).

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