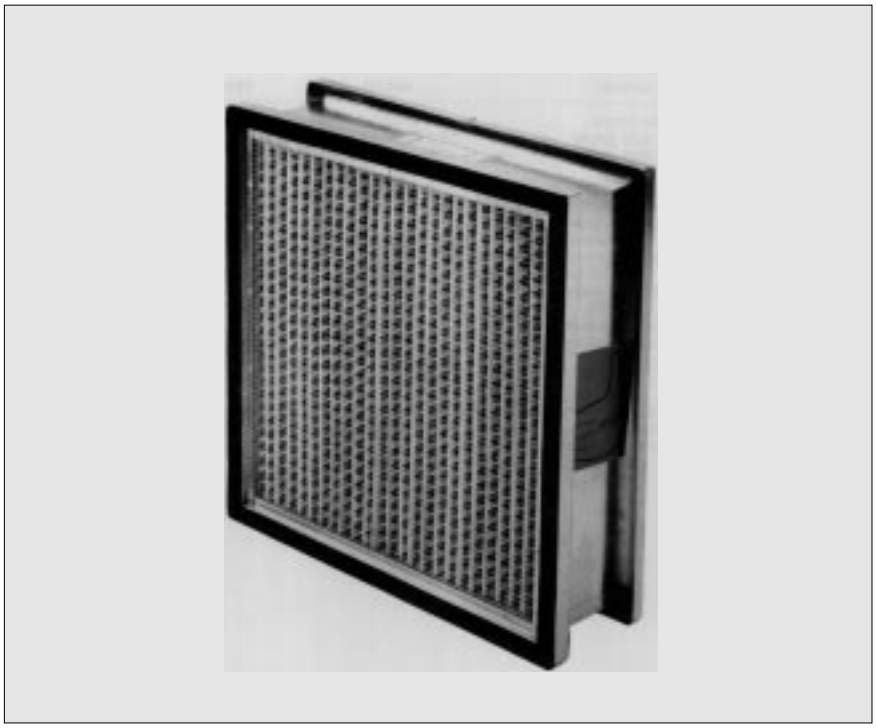
- High performance in both efficiency and dust holding capacity
- Welded face guards on air entering and air leaving sides
- Light weight
- Temperature limits: up to 150°C intermittent, 120°C continuous
- Economical in use
- High blowout pressures



DuraCel® 5

High Efficiency Cartridge Filter

Application

The Duracel 5 is a heavy duty, high efficiency unit filter developed specially for the rotating machinery industry. It is designed to withstand the rigors of centrifugal compressors, gas turbines and engines where severe surging or pulsations occur.

Construction

The Duracel 5 is constructed of all metal cell sides with spot welded face guards and header flange on the air entering and air leaving sides.
The Duracel 5 is available in two styles, the RM-60 and RM-90.

The media pack of of the RM-90 consists of a "sandwich" of two different types of high efficiency filter media folded between aluminium separators in a pleated design. The separators are spot glued to the adjoining media panel and the leading edge of the separator is placed in from the inside of the media fold. This unique construction feature prevents the separators from moving and puncturing the media. The double layer of media provides a progressively packed density media giving the filter its high filtering efficiency, in excess of 99%, by the weight test method.

The RM-60 features the same rugged construction and double media concept. Its filtering efficiency is 98% by the weight test method and has a dust holding capacity of 265 grams at 635 Pa Final Resistance.
The filtering media in the RM-60 and the RM-90 is a finely woven glass mat which is capable of withstanding temperatures up to 150°C.

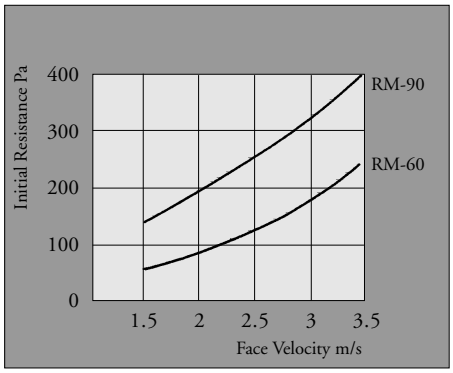
The face guards on both sides of the filter insure that the media pack remains in place during severe surging or reverse air flow through the media.

Technical Data

Model number	RM-60	RM-90
Cell size (inch)	20x20x5	20x20x5
Actual size (mm)	478x478x127(+ 6)	478x478x127(+ 6)
Rated air flow (m^3/h)	3020	3020
Initial resistance (Pa)	213	373
Recomm. final resistance (Pa)	635	635
Average atm. dust spot efficiency (%)	66	88
Average Arrestance by weight on AC fine test dust (%)	98	99
D.H. capacity at 635 Pa (g)	265	140
Degradation pressure[1)] (Pa)	3800	3800
Maximum pressure[1)] (Pa)	6350	6350

1) Two blowout pressures are given: (1) Degradation pressure at which filter efficiency is affected negatively and (2) maximum pressure at which structural damage to the filter occurs.

Air flow resistance



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