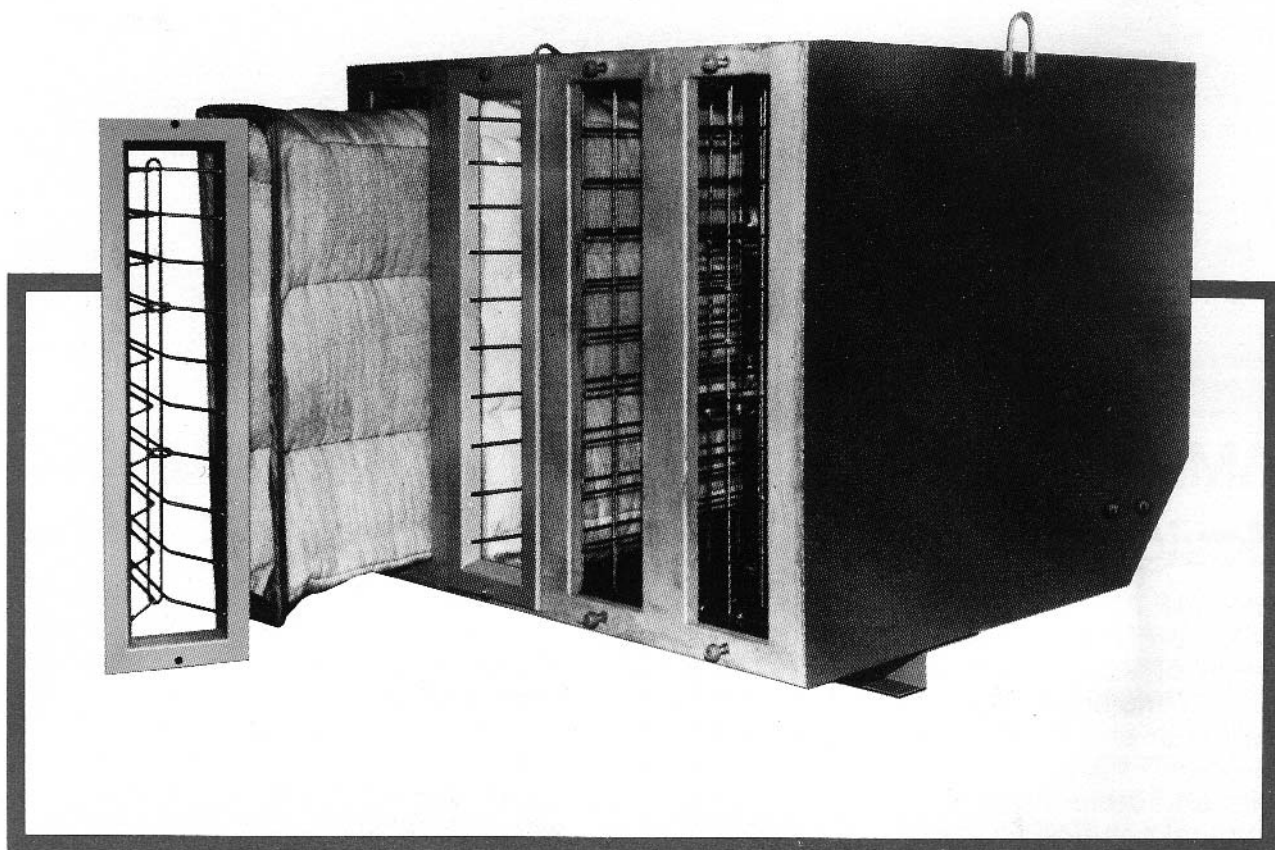
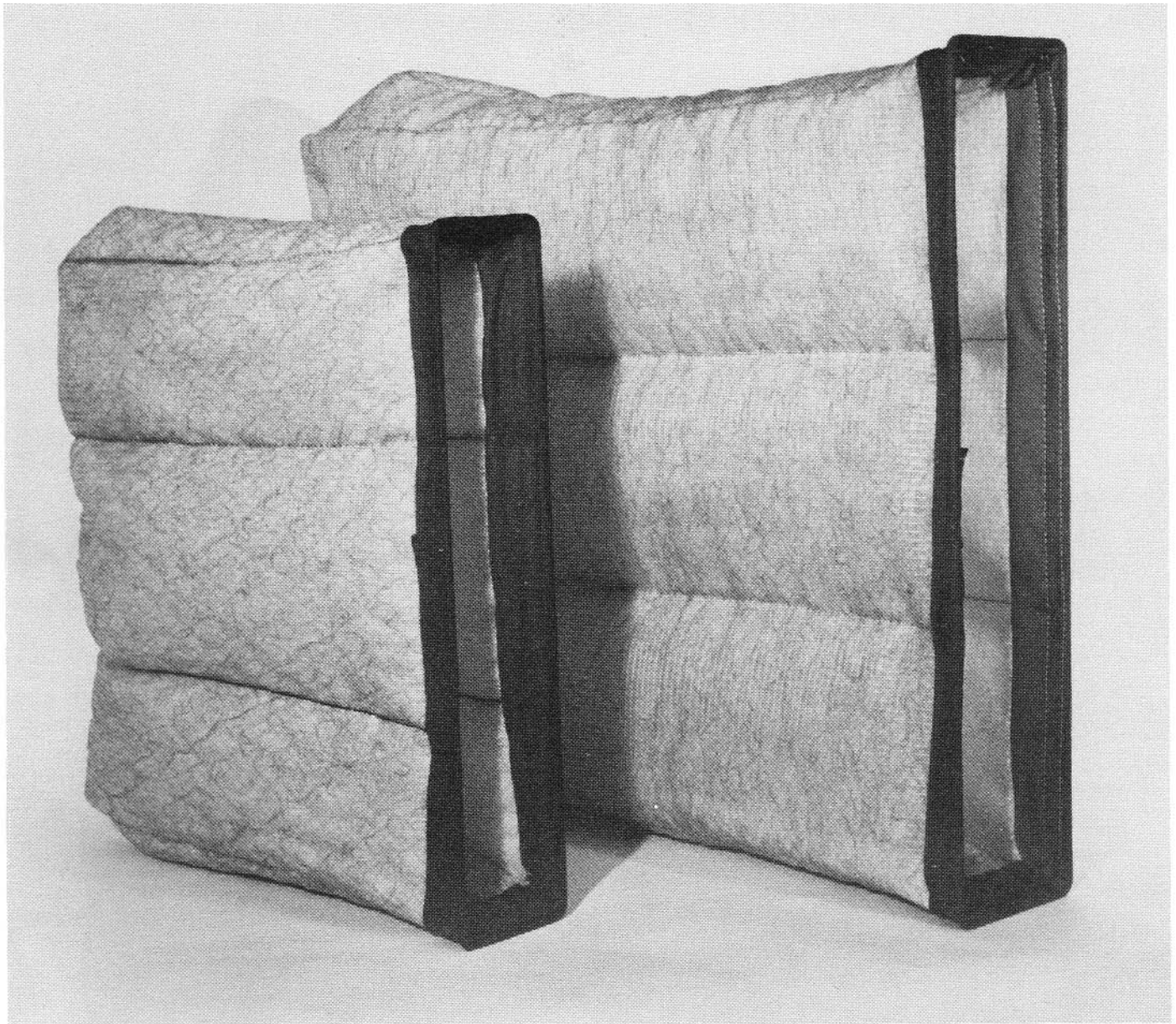


AMER-Kleen CARTRIDGE FILTERS

**ENGINE INTAKE FILTERS
FOR LOCOMOTIVE
APPLICATIONS**



AAF[®]



AMER-Kleen 1200 and 2500 filters—proven designs that exceed all air intake requirements.

The AAF AMER-Kleen cartridge air intake filter is the result of extensive field testing and cooperation with railroads and locomotive builders to provide them with an efficient and economical solution to their intake air requirements.

These requirements are: filter life geared to normal locomotive three-month maintenance, reduced operating costs in comparison to other filter systems, fast,

easy, installation and low pressure drop.

The AMER-Kleen cartridge air intake filter meets and exceeds these requirements by incorporating all the advantages of disposable cartridge filters with outstanding features for greater engine protection and improved operating performance.

Two AMER-Kleen filter sizes are available to you now: the present 2500 series

filter that has been in use on major railroads for seven years; and now, the 1200 series, a scaled-down version of the 2500. The size 1200 filter offers all the desirable features and advantages of the full-size cartridge plus the ability to be applied in compartments that would not normally accommodate the larger filter arrangements.

Here are the features that give you top performance and reliability with AMER-Kleen filters.

PROTECTS AGAINST ENGINE WEAR.

The Double-Pak design of the AMER-Kleen cartridge gives double thickness of media throughout for greatest engine protection and long filter life. Tests conducted over a two year period by locomotive manufacturers, and seven years experience on railroads, show that the cartridge provides optimum protection against wear caused by airborne dust.

PROTECTS AGAINST TURBO-SURGE.

The AMER-Kleen housing is equipped with an anti-surge assembly consisting of a wire form attached to the back of each sealing frame.

By holding the cartridge firmly in place, it protects it against turbo-surge.

PROTECTS AGAINST RAIN, WASH-RACK WATER, AND CHEMICALS.

The filter cartridges are protected at all times by an all metal, filter housing.

CONFORMS TO NORMAL MAINTENANCE SCHEDULES.

The AMER-Kleen cartridge is designed to be changed at the normal 90-day maintenance cycle, with an adequate safety margin should the locomotive encounter delays in servicing.

EASY INSTALLATION.

By the simple removal of two bolts and removal of the sealing frame, the AMER-Kleen cartridge is front-loaded, forming an air-tight seal — automatically — when the sealing frame is replaced. Normal air flow through the filter insures that all seals remain tight, while at the same time, no time-consuming alignment is required. Installation time is reduced about 80% over other filters.

WILL NOT SUPPORT COMBUSTION.

The viscous adhesive which coats the glass fibers in large quantities to hold dust, also serves as a fire retardant.

Extended safety margin

The AAF Double-Pak design on both the AMER-Kleen 2500 and 1200 series provides a larger safety margin than comparable filters. After three months of use, there is still sufficient filter capacity to continue operation, even if maintenance cannot be performed right on schedule. In addition, its pressure drop characteristics are compatible with the monitoring systems employed by locomotive builders in the event maintenance is missed entirely.

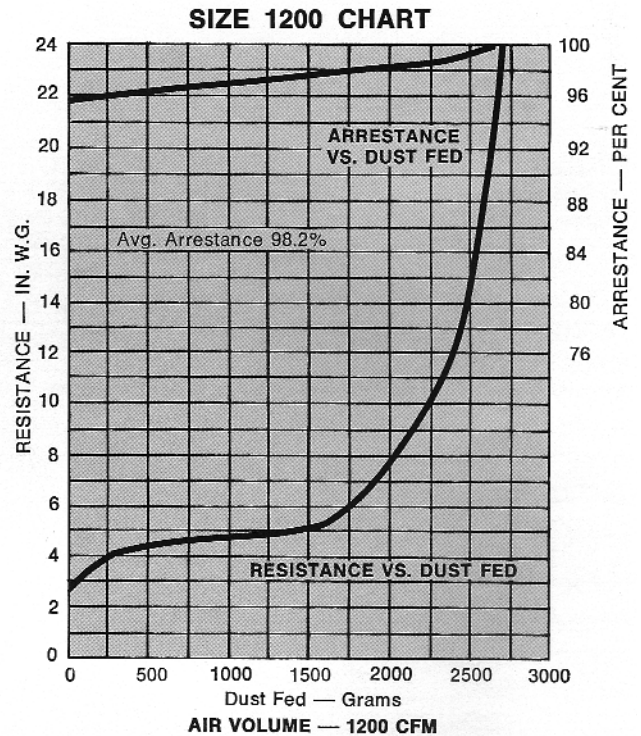
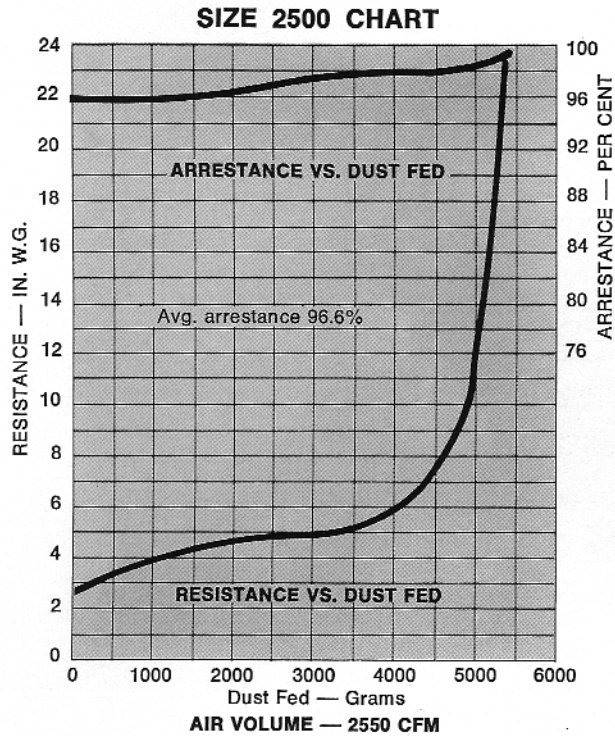
Savings in fuel consumption

Standard fan practice shows that horsepower must be utilized to overcome increasing resistance to air flow. Tests conducted by locomotive manufacturers have found that the amount of fuel required to overcome one inch of resistance for a 3,000 hp locomotive will average 400 gallons per year . The AMER-Kleen Cartridge Filter offers the lowest average resistance to air flow during its service life of any filter currently available for locomotive, engine intake air filtration.

AMER-Kleen cartridge

Laboratory Performance Charts

at Nominal Air Flow Rating



TEST PROCEDURE. Tested in A.F.I. test duct per A.F.I. test method except:
 1—Arizona road dust fine, fed to filter. 2—An ASHRAE dust feeder was used.