

# THE CLEAN-AIR ACT FOR VINTAGE FILTERS

BY RON CERIDONO

There's a lot to be said for modern technology. Certainly the best thing that's happened on the contemporary performance scene is computer-controlled fuel injection. And while all that zoomy, polished-aluminum, TPI stuff looks trick and works great, there are those among us who still live in the past and prefer a few old-fashioned carburetors to electronic squirters. With the increasing popularity of nostalgia cars, more and more rodders are joining the ranks of the "injectorless" by topping off

their engines with anywhere from two to a half-dozen carburetors. And of course, that usually means those neat, old-timey, chrome-bonnet air cleaners are part of the package. But I'm sorry to say, in many cases, those filters are the weak link in the system—some of them look better than they work.

During a recent bench racing session with Jere Jobe of Vintage Carburetion Technologies, the subject of air cleaners came up. Jere pointed out that he frequently traces fuel-mixture problems with multiple Stromberg 97 carburetors (as well as other types of mixers) to the elements used in these small chrome filters. Complaints about everything from poor performance to lousy mileage have often been traced to the elements in these filters.

To pinpoint the problem, Jere spent some time on his flow bench evaluating the most common elements found in vintage-style air cleaners. What he found was interesting, and somewhat disappointing. Typically, these air cleaners come with one of three types of elements, which can often be distinguished by color or pleat pattern. Without a doubt, the worst of the breed are the off-white variety with extremely tightly packed folds. Perhaps a well-intentioned attempt to put more filtering media in the element, the result is paper packed so tightly that airflow suffers. It suffers a lot—flow bench testing has shown these elements pass as little as 50 cfm!

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A good-looking, classic combo: a Stromberg 97 and a chrome-bonnet air cleaner. To make it work as "nifty" as it looks, toss the paper element and substitute a K&N.

## IN WITH THE GOOD AIR

Common chrome-bonnet filter elements. Left to right: A) tightly packed paper; note the number of pleats; very low flow; B) tan oil filter paper; also flows poorly; C) bright white paper; flows the best, but still not enough; D) K&N E-3120.



