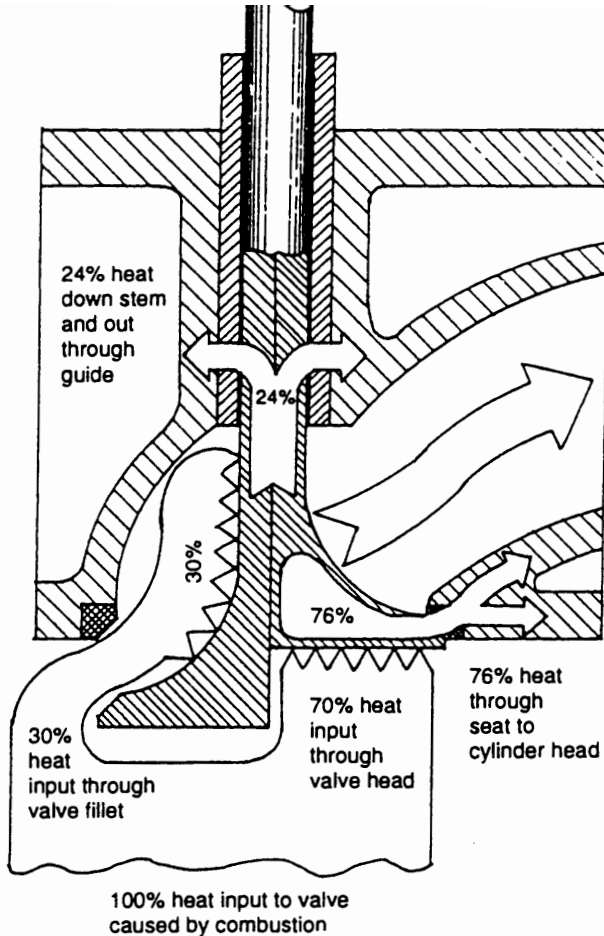


# PASSING GAS

timed to help evacuate the cylinders. During blowdown, the sudden expulsion of high pressure from the cylinder to the exhaust port displaces the column of gas occupying this region and forces the gas to assume a very high velocity; in effect, the pressure-wave pulse from the cylinder transfers energy into the column of gas in front of it. Consequently, this "slinky"



To improve performance while canceling unwanted sound, Flowmaster used a spectrum analyzer and a Super-Flow dyno incorporating an Engine Cycle Analyzer.



This generic drawing illustrates how the exhaust valve absorbs and transfers some of the heat.