

Sky Rider cap



Theory of Operation

People refer to this cap by many different names - Wind Directional Cap, Roman Helmet, Rooster Tail and other names but we call it SkyRider. The top helmet of the cap can freely rotate around its shaft. When wind blows, the fin aligns the hood against wind and front skirt will divert all air streams over and sides of the cap along with rain and snow solving wind related downdraft problems. Also, when wind flows over the cap this way, it creates low air pressure over the flue due to the speed difference of air inside and outside of the flue. This effect helps the flue to draw air better. The streamlined shape of the cap slices through air with very little resistance and it can withstand very strong winds. It is difficult to replicate winds over 30 mph for testing but our caps have been tested in Alaska exposed to natural wind speeds of 70-80 mph without having any problems.

