



**MED MODEL SGS
AND SGSS**



**Mueller
Environmental
Designs, Inc.**



**Air Filtration
Evaporative Cooling
Noise Control
Mist Elimination
Turnkey Projects**



MED Model SGS and SGSS

Starting Gas Separation Silencer

APPLICATION

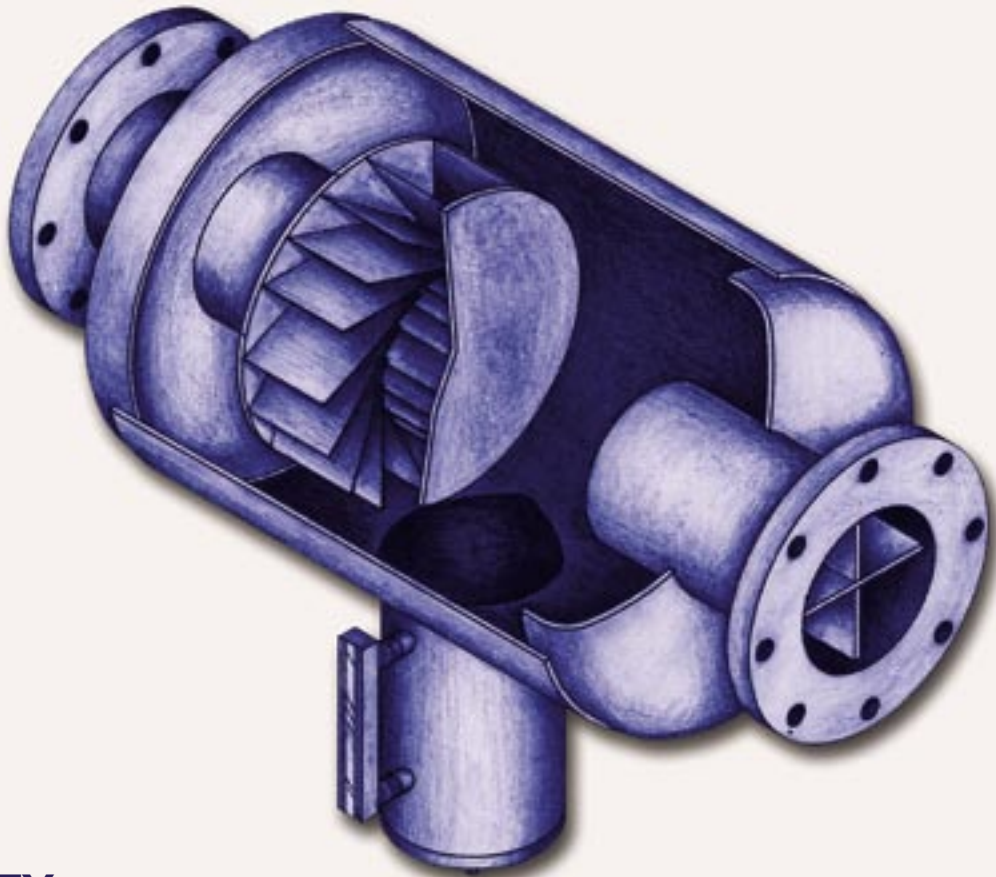
The Model SGS is designed to remove entrained lubricating liquids from air or gas starters. Additionally, the SGSS will reduce the noise associated with starting air or gas discharging to atmosphere.

DESIGN

As air or gas enters the SGS it encounters the separating element. The separating element consists of stationary blades arranged in a tangential pattern. Air or gas lubricating liquids impinge on the separating element, developing centrifugal forces which direct liquid particles to the shell wall. Liquid particles wipe around the shell, creating a sheeting action, becoming trapped in a pocket drain. Then due to gravity, the separated liquid flows into the sump for collection. The air or gas stream, free of entrained liquid, exits the SGS.

OPTIONS

- Vertical up-flow or down-flow configurations
- Various support methods
- High performance combination separator/silencer design
- Special materials of construction

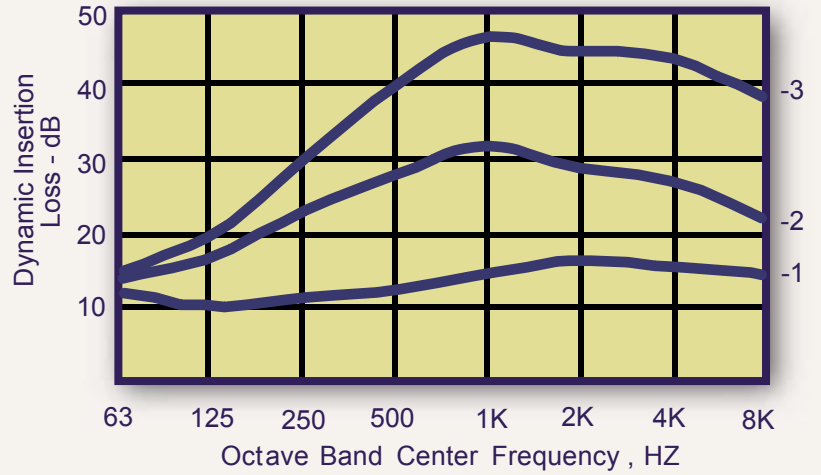


WARRANTY

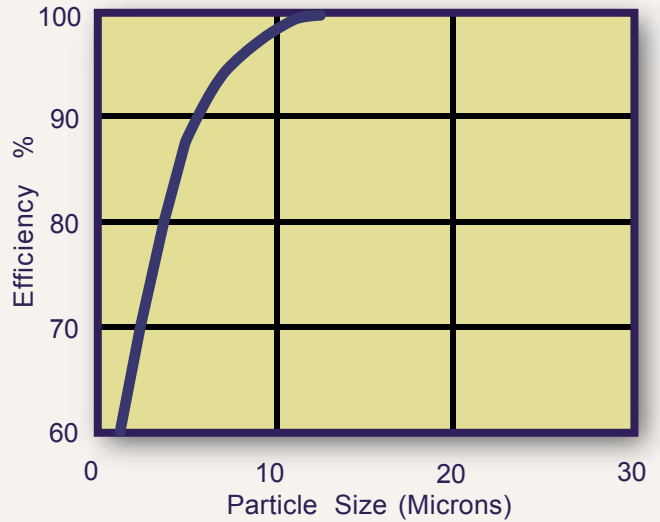
Mueller Environmental Designs, Inc. Guarantees to meet separation and noise control criteria, and warranties against poor workmanship, material defects, and failure due to improper equipment selection.

PERFORMANCE

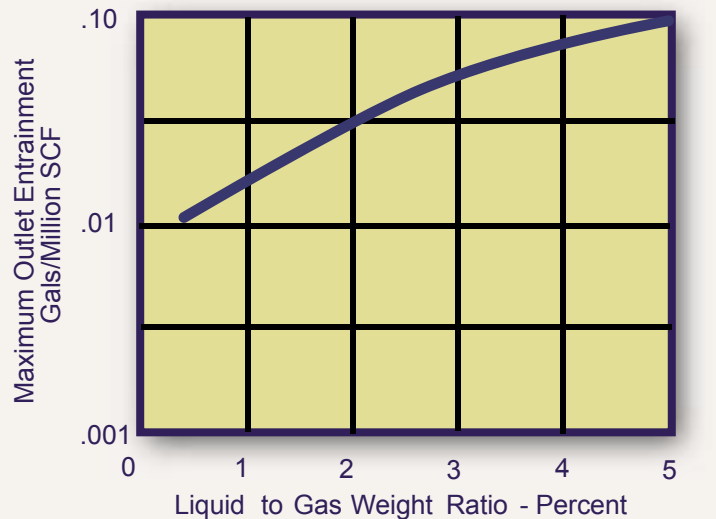
Typical Attenuation Curves



Typical Efficiency, Particle Size



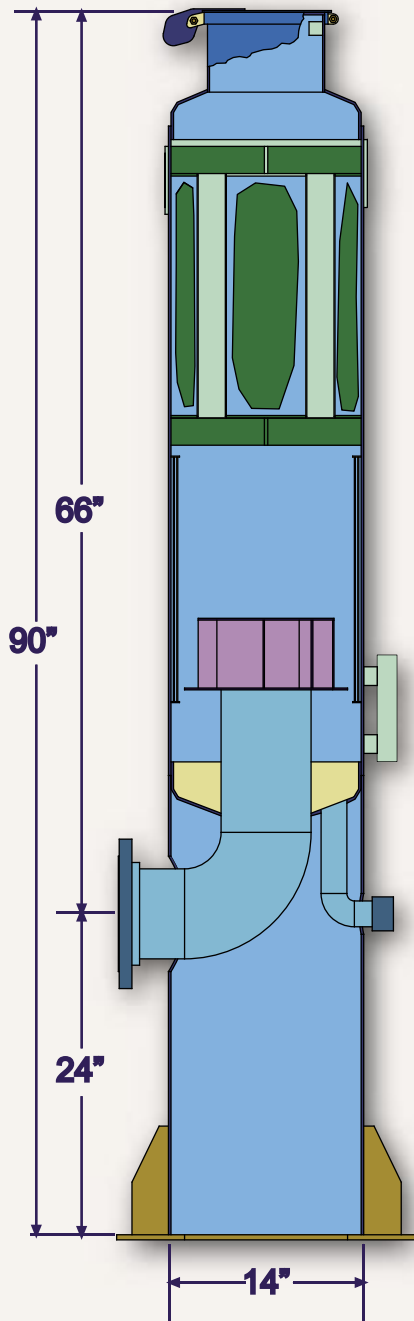
Typical Efficiency, Liquid Entrainment



(Based on an Average Particle Size of 10 Microns)

The above curve indicates an overall separation efficiency of 99.0% (based on a maximum liquid load of 5% to the separation element). As the liquid to gas weight ratio decreases, the overall separation efficiency increases.

Solar Centaur Starting Gas Vent Separator Silencer



Model SGSS



Model SGS



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