

Technical Specifications for the Sy-Klone Series 9000™ Atmospheric-ejective Air Precleaner

The Sy-Klone Series 9000 atmospheric-ejective air precleaners:

- expel all types of heavier-than-air debris,
- have a mechanically fastened top cap,
- include an o-ring sealed bearing cavity to protect bearings against water and debris intrusion,
- employ rotors made of Nylon 6-6,
- include a toroidal dome to control and direct air flow,
- work in all weather conditions,
- are maintenance free,
- are manufactured from a high quality, non-reflective, non-corrosive material that is able to withstand temperatures from -40° F to 220° F, and
- have a recommended overall temperature operating range from -30° to 220° F.

Specific information - The Model 9001 Air Precleaner (as contained in P/N 900145RA-001, Precleaner Assembly for the HMMWV):

- is constructed of black, non-reflective, non-corrosive polypropylene,
- has an operating air flow range of 100-400 SCFM ⁽¹⁾,
- ejects a minimum of 84 percent of all types of mixed debris to including mud, snow, rain, leaves, sawdust, chafe, and dust throughout its operating range,
- fits a 4.0" O.D. intake (P/N 900145RA-001 includes adapter to fit 4.5" O.D. intake),
- weighs 2.57 pounds, and
- has an overall height (without adapter) of 6.28 inches.

Specific information - The Model 9002R Air Precleaner (as contained in P/N 9002R50-001 for the 5-Ton Truck):

- is constructed of black non-reflective, non-corrosive Nylon 6-6,
- has an operating air flow range of 600-1100 SCFM ⁽²⁾,
- ejects a minimum of 79 percent of all types of mixed debris to including mud, snow, rain, leaves, sawdust, chafe, and dust throughout its operating range,
- fits a 6.0" O.D. intake (P/N 9002R50-001 includes adapter to fit 5.0" O.D. intake),
- weighs 6.5 pounds, and
- has an overall height (without adapter) of 11.10 inches.

Notes:

- (1) The AM General HMMWV with GM 6.5L Diesel Fuel Injection (Naturally Aspirated) Engine has a calculated intake air flow requirement of 100- 350 SCFM.
- (2) The 5-Ton Truck with Cummins 8.3L diesel NHC 250 has a calculated intake air flow requirement of 400-868 SCFM.