

<u>Maximum Weights</u>	<p>Maximum operating weight 20,240 lb. (9,200 kg) Maximum suspended (car) weight 12,760 lb. (5,800 kg) Minimum operating weight 14,300 lb. (6,500 kg) Maximum static heaviness 770 lb. (350 kg) Maximum static lightness 440 lb. (200 kg)</p>
<u>Minimum Crew</u>	One (1) pilot
<u>No. Of Seats</u>	Ten (10) seats including the pilot's seat. See the Airship Flight Manual for approved seating configurations.
<u>Fuel Capacity</u>	<p>Total capacity 180 gal (682.2 liters) Usable fuel 168 gal (635.2 liters)</p>
<u>Oil Capacity</u>	<p>Total capacity 4.4 gal (16.8 liters) Usable oil 4.1 gal (15.5 liters)</p>
<u>Maximum Operating Altitude</u>	5,000 ft AGL (above ground level)
<u>Control Surface Movements</u>	Total one-way travel each direction for each control surface is 23° +/- 2°
<u>Vector System</u>	The propulsor vector system travel is from +110° (nose up) to -80° (nose down)
<u>Serial Numbers Eligible</u>	S1000-01 and subsequent
<u>Certification Basis</u>	<p>FAR 21.17(b) through Amendment 21-68 dated August 10, 1990</p> <p>Compliance with FAR 21.17(b) has been shown utilizing the provisions of Advisory Circular 21.17-1A dated October 30, 1992, Section 5. The airworthiness requirements met under this provision are the Airship Design Criteria (ADC), FAA P-8110-2, CHG 1, dated July 24, 1992, as amended by FAA letter dated October 20, 1993.</p> <p>Application for Type Certificate dated January 11, 1991.</p> <p>Type Certificate No. TS00002AT issued October 22, 1993.</p>
<u>Production Basis</u>	None. Prior to original certification of each aircraft, an FAA representative must perform a detailed inspection for workmanship, materials and conformity with the approved technical data, and a check of the flight characteristics.
<u>Equipment</u>	<p>The basis required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis) must be installed in the aircraft for certification. In addition, the following equipment is also required:</p> <p>FAA Approved Airship Flight Manual, FS-M-001, dated October 22, 1993, or later FAA approved revision.</p> <p>WAI Sentinel 1000 Ground Handling Manual, MS-M-001, dated October 22, 1993, is to be made available to the operator's flight and ground crews.</p>
<u>Maintenance and Inspection</u>	Maintenance and inspection of airship Serial Number S1000-01 must be carried out according to the Sentinel 1000 Recommended Maintenance Schedule, PD-M-001, dated May 1993. In accordance with FAR 21.50 and ADC paragraph 7.12, complete instructions for Continued Airworthiness must be submitted for approval prior to delivery of the first airship or issuance of a standard certificate of airworthiness, whichever occurs later.

- NOTE 1. A current weight and balance report, together with a list of equipment included in certificated empty weight, and loading instructions when necessary, must be provided for each aircraft at the time of original certification. The certificated empty weight must include unusable fuel of 71 lb. at station +6.88
- NOTE 2. All placards required in the approved airship flight manual must be installed in the appropriate locations.
- NOTE 3. Reserved.
- NOTE 4. See Section 7 of the Sentinel 1000 Recommended Maintenance Schedule, PD-M-001, for a listing of life-limited parts.
- NOTE 5. This type certificate retyped without technical changes on February 5, 2001.

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