

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A2NW  
Revision 1  
AVIAN  
Falcon II  
June 1, 1977

TYPE CERTIFICATE DATA SHEET NO. A2NW

This data sheet which is a part of type certificate No. A2NW prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder                      AVIAN BALLOON  
South 4323 Locust Road  
Spokane, Washington 99206

**I - Model Falcon II, 2-place Hot Air Balloon, approved May 25, 1976.**

Air Heater	Avian Single Burner Assembly, Dwg 75-2000 or 76-2000
Gondola	Avian Basket, Dwg 75-1000 or 76-1000
Envelope	Avian Envelope, Dwg 75-5000 or 75-5500
Fuel	LPG (See FAA Approved Balloon Flight Manual for required additives instructions.)
Maximum Weight	Gross weight limited to 830 lbs. or to weight requiring maximum continuous envelope temperature of 250°F, whichever is less. See FAA Approved Balloon Flight Manual. (Weight includes the envelope weight.)
Maximum Allowable Envelope Temperature	250°F
Fuel Capacity	Two (2) 10 gal. (at 80% fill) with 75-2000 Burner System Two (2) or three (3) 10 gal. (at 80% fill) with 76-2000 Burner System
Serial Numbers Eligible	1 and on
Certification Basis	FAR 31, effective July 1, 1964, including Amendment 31-1 and 31-2.
Production Basis	None. Prior to original certification, an FAA representative must perform a detailed inspection for workmanship materials, and conformity with the approved technical data and conduct a tethered flight check of all systems.
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (See Certification Basis) must be installed in the aircraft for certification. Additional required items of equipment are listed in the FAA Approved Avian Balloon Flight Manual.

NOTE 1            Every 100 flight hours or annually, whichever occurs first, the following envelope maintenance check must be performed: Envelope material strength is adequate if the material withstands without tearing or yielding, fifty-pounds tension uniformly distributed one- inch crosswise to, and applied in the direction of, the weave. The envelope should be tested in several areas, with particular attention to the upper portion which is subject to higher operating temperatures.

NOTE 2            The rego blast valve must be serviced in accordance with the details contained in the Avian Balloon Production Manual at intervals not to exceed the annual inspection or 100 hours in service, whichever occurs earlier.

NOTE 3            Refer to the FAA Approved Avian Balloon Flight Manual Supplement BFMS-F1 for the proper fuel tank

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arrangements to be used with the 76-2000 Burner.

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