

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA01795CH

*This certificate issued to* Wipaire Inc.  
1700 Henry Avenue - Fleming Field  
South St. Paul, MN 55075

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.* (See Type Certificate Data Sheet No. A19SW for complete certification basis)

*Original Product -- Type Certificate Number :* A19SW  
*Make :* Air Tractor Inc.  
*Model :* AT-802; AT-802A

*Description of Type Design Change:*

For Model AT-802A: Installation of Wipaire Model 10000 Amphibious Floats in accordance with Wipaire, Inc. Installation Drawing No. 7D1-4251, No Revision, dated January 13, 2003, or later FAA approved revisions. Operations with the floats removed are permitted when the aircraft is modified in accordance with Wipaire, Inc. Installation Drawing No. 7D1-4405, No Revision, dated January 13, 2003, or later FAA approved revisions.

For Model AT-802: Installation of Wipaire Model 10000 Amphibious Floats in accordance with Wipaire, Inc. Installation Drawing No. 1003231, Revision A, dated June 12, 2008, or later FAA approved revisions. Operations with the floats removed are permitted when the aircraft is modified in accordance with Wipaire, Inc. Installation Drawing No. 1003406, Revision 01, dated July 15, 2008, or later FAA approved revisions.

*Limitations and Conditions:*

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

(See continuation sheet 3 of 3)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application :* May 09, 2001

*Date reissued :*

*Date of issuance :* March 14, 2003

*Date amended :* October 08, 2003; September 29, 2008;  
April 15, 2010; July 08, 2011



*By direction of the Administrator*

**Original signed by:**  
**Gregory J. Michalik**

(Signature)

Gregory J. Michalik, Senior Aerospace Engineer  
Airframe & Administrative Branch  
Chicago Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America  
Department of Transportation - Federal Aviation Administration

**Supplemental Type Certificate**  
(Continuation Sheet)

*Number*

United States of America  
 Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
 (Continuation Sheet)

*Number* SA01795CH

Date of Issuance: March 14, 2003

Date Amended: July 08, 2011

*Limitations and Conditions* (Continued):

3. The following FAA approved Airplane Flight Manual Supplements (AFMS), or later FAA approved revision, are required with this installation:

| <u>A/C Model</u> | <u>Operation Type</u>                               | <u>Approval Date</u> |
|------------------|---|----------------------|
| AT-802A          | Amphibian   | March 13, 2003       |
| AT-802A          | Landplane   | October 7, 2003      |
| AT-802           | Amphibian   | September 29, 2008   |
| AT-802           | Landplane   | September 29, 2008   |
| AT802A           | Amphibian with<br>PWC PT6A-67F<br>Engine (1600 SHP) | June 9, 2009         |

4. For Model AT-802, Amphibious Operation: Airspeed, Maximum Weight, and C.G.Range are limited to the following:

- a. AIRSPEED LIMITS:
 

|  |                     |
|--|---------------------|
| Never Exceed ( $V_{NE}$ )                | 160 KCAS (158 KIAS) |
| Maximum Structural Cruising ( $V_{NO}$ ) | 145 KCAS (143 KIAS) |
| Maneuvering ( $V_A$ ) at 11,500 lbs.     | 123 KCAS (123 KIAS) |
| Maximum Flap Extended ( $V_{FE}$ )       | 123 KCAS (122 KIAS) |
  
- b. MAXIMUM WEIGHT:
 

|                          |             |
|--------------------------|-------------|
| Takeoff from Land        | 16,000 lbs. |
| Takeoff from Water       | 11,500 lbs. |
| Landing on Land or Water | 11,500 lbs. |
| Scooping Operations      | 16,000 lbs. |
  
- c. C.G. RANGE:
  - (+24.5) to (+27.0) at 16,000 lbs.
  - (+24.5) to (+28.1) at 14,000 lbs.
  - (+26.0) to (+29.5) at 11,500 lbs. or less.
  - Straight line variation between points given.

5. For Model AT-802A, Amphibious Operation: Airspeed, Maximum Weight, and C.G.Range are limited to the following:

- a. AIRSPEED LIMITS:
 

|  |                     |
|--|---------------------|
| Never Exceed ( $V_{NE}$ )                | 160 KCAS (155 KIAS) |
| Maximum Structural Cruising ( $V_{NO}$ ) | 145 KCAS (140 KIAS) |
| Maneuvering ( $V_A$ ) at 11,500 lbs.     | 126 KCAS (121 KIAS) |
| Maximum Flap Extended ( $V_{FE}$ )       | 123 KCAS (125 KIAS) |
  
- b. MAXIMUM WEIGHT:
 

|                          |             |
|--------------------------|-------------|
| Takeoff from Land        | 16,000 lbs. |
| Takeoff from Water       | 11,500 lbs. |
| Landing on Land or Water | 11,500 lbs. |
| Scooping Operations      | 16,000 lbs. |
  
- c. C.G. RANGE:
  - (+24.5) to (+27.0) at 16,000 lbs.
  - (+24.5) to (+28.1) at 14,000 lbs.
  - (+26.0) to (+29.5) at 11,500 lbs. or less.
  - Straight line variation between points given.

6. For Landplane Operation: Airspeed, Maximum Weight, and C.G.Range are limited to that of the standard Air Tractor Models AT-802 and AT-802A in the fire bomber configuration.

- END -

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.