

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

*Number* SA02004NY

*This certificate issued to* SMR Technologies, Inc.  
A B/E Aerospace Company  
93 Nettie Fenwick Rd.  
Fenwick, WV 26202-4000

*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 3 of the Civil Air Regulations.*

*Original Product -- Type Certificate Number :* \* \* See attached FAA Approved Model List (AML) No. SA02004NY for a list of approved airplane models and applicable airworthiness regulations.  
*Make :*

*Model :*

*Description of Type Design Change:*

Installation of SMR Technologies pneumatic de-icer models in accordance with installation instructions on SMR Technologies Drawing List as listed on AML No. SA02004NY, dated October 6, 2004.

*Limitations and Conditions:*

1. The Maintenance Instructions for Continued Airworthiness contained in SMR Technologies Installation and Maintenance Manual, Rev. 7, dated September 7, 2004, is required with this modification.
2. Approval for installation of replacement parts for existing Goodrich Type 23 boots must be made in left and right pairs on wings or tail.
3. A copy of this certificate and the FAA Approved Model List (AML) No. SA02004NY, dated October 6, 2004, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.
5. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*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 :* February 6, 2004

*Date reissued :*

*Date of issuance :* October 6, 2004

*Date amended :*



*By direction of the Administrator*

*[Handwritten Signature]*

(Signature)

Vito A. Pulera  
Manager, New York Aircraft Certification Office

(Title)

**FAA APPROVED MODEL LIST (AML) NO. SA02004NY  
SMR TECHNOLOGIES, INC.**

**FOR  
INSTALLATION OF PNEUMATIC DE-ICERS**

Issue Date: October 6, 2004

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL & TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS		PART NUMBER	REPLACEMENT FOR GOODRICH PART NUMBER	AFMS	AML AMENDMENT DATE
				NO.	Revision & Date				
1	PIPER	PA-31, PA-31-300, PA-31-325 S/N 5-7512033 TC# A20SO	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-3-1	23S-2100-3-1	04-33-048, Rev. IR, dated October 5, 2004	
2	PIPER	PA-31P S/N 3-7530027, PA31T S/N 7400002-7400033, 74000036, 7400038 TC# A8EA	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-3-1	23S-2100-3-1	04-33-048, Rev. IR, dated October 5, 2004	
3	PIPER	PA-31, PA-31-300, PA-31-325 S/N 5-7512033 TC# A20SO	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-4-1	23S-2100-4-1	04-33-048, Rev. IR, dated October 5, 2004	
4	PIPER	PA-31P S/N 3-7530027, PA31T S/N 7400002-7400033, 74000036, 7400038 TC# A8EA	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-4-1	23S-2100-4-1	04-33-048, Rev. IR, dated October 5, 2004	
5	PIPER	PA-31, PA-31-300, PA-31-325 S/N 5-7512033 TC# A20SO	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-5-1	23S-2100-5-1	04-33-048, Rev. IR, dated October 5, 2004	
6	PIPER	PA-31P S/N 3-7530027, PA31T S/N 7400002-7400033, 74000036, 7400038 TC# A8EA	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-5-1	23S-2100-5-1	04-33-048, Rev. IR, dated October 5, 2004	
7	PIPER	PA-31, PA-31-300, PA-31-325 S/N 5-7512033 TC# A20SO	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-5-2	23S-2100-5-2	04-33-048, Rev. IR, dated October 5, 2004	
8	PIPER	PA31T S/N 7400002-7400033, 74000036, 7400038 TC# A8EA	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-5-2	23S-2100-5-2	04-33-048, Rev. IR, dated October 5, 2004	
9	PIPER	PA-31P S/N 3-7530027 TC# A8EA	CAR 3	MDL-0042	Rev. B, dated September 27, 2004	SMR2100-6-2	23S-2100-6-2	04-33-048, Rev. IR, dated October 5, 2004	

FAA Approved :



Vito A. Pulera  
Manager,  
New York Aircraft Certification Office