Ding Wei Form 3 January 10, 2013

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting

Person *

Statement

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

SMITH A O CORP [AOS]

(Check all applicable)

Ding Wei

(Last)

(Month/Day/Year) 01/01/2013

4. Relationship of Reporting 5. If Amendment, Date Original

Filed(Month/Day/Year)

A. O. SMITH (CHINA) WATER HEATER CO. LTD, 336 YAO

(First)

(Middle)

XIN AVENUE

1. Title of Security

(Instr. 4)

(Street)

Director _X__ Officer

Person(s) to Issuer

10% Owner

Other (give title below) (specify below) President and GM, AOSCWHC

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

Person

Form filed by More than One Reporting Person

NANJING, F3Â 210038

(City) (State) (Zip)

> 2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial

Ownership (Instr. 5) Form:

Direct (D) or Indirect (I) (Instr. 5)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Date

Exercisable

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security

4. Conversion or Exercise Price of

5. Ownership Form of Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

(Instr. 4)

Date

Expiration Title

Amount or Number of

Derivative Security: Security Direct (D)

1

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				Shares		or Indirect (I) (Instr. 5)	
Restricted Stock Units	(1)	(1)	Common Stock	1,900	\$ 0	D	Â
Employee Stock Options (Right to Buy)	(2)	(2)	Common Stock	4,350	\$ 0	D	Â

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Ding Wei

A. O. SMITH (CHINA) WATER HEATER CO. LTD 336 YAO XIN AVENUE NANJING, F3Â 210038 Â Â President and GM, AOSCWHC Â

Signatures

James F. Stern, Attorney-in-Fact for Wei Ding 01/10/2013

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Restricted stock units were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 600 restricted stock units were granted on 02/08/2010; 500 restricted stock units were granted on 02/07/2011; and 800 restricted stock units were granted on 02/13/2012. The restricted stock units become payable in Common Stock on the vesting date, which is three years after the grant date.

Employee stock options were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under

Rule 16b-3: 1,650 employee stock options were granted on 02/08/2010 and became exercisable in three annual installments of 1/3 of the award starting on 02/08/2011. Of the 1,650 options granted 1,100 options have been exercised and 550 options remain; 1,400 employee stock options were granted on 02/07/2011 and became exercisable in three annual installments of 1/3 of the award starting on 02/07/2012; 2,400 employee stock options were granted on 02/13/2012 and become exercisable in three annual installments of 1/3 of the award starting on 02/13/2013. All employee stock options expire ten years after the date of the award.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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