

Thermon Group Holdings, Inc.
 Form 4
 February 16, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
 PETERSON JAY

2. Issuer Name and Ticker or Trading Symbol
 Thermon Group Holdings, Inc.
 [THR]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 100 THERMON DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/14/2012

____ Director
 Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 CFO

SAN MARCOS, TX 78666

4. If Amendment, Date Original Filed(Month/Day/Year)

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

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount (D) Price | | |
| COMMON STOCK | 02/14/2012 | | M | | 32,580 A \$ 5.2 | D | |
| COMMON STOCK | 02/14/2012 | | F | | 8,764 D 19.33 (1) | D | |
| COMMON STOCK | 02/16/2012 | | S | | 23,816 D 19.79 (2) | D | |

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

Persons who respond to the collection of information contained in this form are not

SEC 1474 (9-02)

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| STOCK OPTION (RIGHT TO BUY) | \$ 5.2 | 02/14/2012 | | M | 32,580 | 05/04/2011 ⁽³⁾ 10/20/2020 | COMMON STOCK 32, |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| PETERSON JAY 100 THERMON DRIVE SAN MARCOS, TX 78666 | | | CFO | |

Signatures

/s/ Jay Peterson by Sarah Alexander as attorney-in-fact
 **Signature of Reporting Person
 Date 02/16/2012

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) This represents the market closing price on the transaction date.
- (2) This represents the weighted average sale price. Reporting person will, upon request supply the SEC Staff, the Issuer, or a securityholder of the Issuer with full information regarding the number of shares sold at each separate price.
- (3) Options became fully vested and exercisable in connection with the Issuer's initial public offering.

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.