

# FORM 3

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

OMB APPROVAL	
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## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * CHS Private Equity V LP  (Last) (First) (Middle) 10 SOUTH WACKER DRIVE, SUITE 3175  (Street)  CHICAGO, IL 60606  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/04/2011	3. Issuer Name <b>and</b> Ticker or Trading Symbol Thermon Group Holdings, Inc. [THR]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	5. If Amendment, Date Original Filed(Month/Day/Year)
		6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person	

### Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common stock	13,857,025 <a href="#">(1)</a>	D	

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

SEC 1473 (7-02)

	<b>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.</b>	
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### 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 (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CHS Private Equity V LP 10 SOUTH WACKER DRIVE, SUITE 3175 CHICAGO, IL 60606		X		
CHS Management V LP 10 SOUTH WACKER DRIVE, SUITE 3175 CHICAGO, IL 60606		X		
CHS Capital LLC 10 SOUTH WACKER DRIVE, SUITE 3175 CHICAGO, IL 60606		X		

# Signatures

/s/ Thomas J. Formolo, for CHS Private Equity V LP		05/04/2011
--Signature of Reporting Person		Date
/s/ Thomas J. Formolo, for CHS Management V LP		05/04/2011
--Signature of Reporting Person		Date
/s/ Thomas J. Formolo, for CHS Capital LLC		05/04/2011
--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).

CHS Private Equity V LP is the record holder of these securities. CHS Capital LLC is the general partner of CHS Management V LP, (1) which in turn is the general partner of CHS Private Equity V LP. CHS Capital LLC and CHS Management V LP disclaim beneficial ownership of the securities owned by CHS Private Equity V LP except to the extent of a pecuniary interest therein.

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.