THORATEC CORP

Form 4

September 24, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue.

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

See Instruction

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * GROSSMAN D KEITH			2. Issuer Name and Ticker or Trading Symbol THORATEC CORP [THOR]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle)			3. Date of Earliest Transaction				
6035 STONERIDGE DRIVE		VЕ	(Month/Day/Year) 09/22/2014	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) President & Chief Exec Officer			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
PLEASANTON	N, CA 9458	8	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State) (Zip) Table	e I - Non-D	erivative Se	curiti	es Acqı	uired, Disposed o	f, or Beneficial	ly 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. Securitie on(A) or Disp (Instr. 3, 4	osed o	of (D)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common	05/27/2014		Code V	Amount 1,273	(A) or (D)	Price \$ 0	Reported Transaction(s) (Instr. 3 and 4) 9,567	D	
Stock Common	05/27/2014		G	1,273	A	\$ 0 (3)	26,768	I	By Separate

Common \$0 09/22/2014(2) 125,245 A 134,812 D Stock (1)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

(3)

Property

Trust (4)

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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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amaunt		
						Date	Expiration				
						Exercisable	Date				
				Code V	(A) (D)						
				Code V	4, and 5)		•	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
GROSSMAN D KEITH 6035 STONERIDGE DRIVE	X		President & Chief Exec Officer				
PLEASANTON CA 94588	Λ		Fresident & Ciner Exec Officer				

Signatures

/s/David A. Lehman, Attorney-In-Fact 09/23/2014

**Signature of Reporting Person Date

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) Represents restricted stock units. Each restricted stock unit represents a right to receive one share of Thoratec Corporation common stock upon vesting. The restricted stock units fully vest on the one year anniversary of the grant.
- (2) Initial stock grant according to the Company's Amended and Restated 2006 Incentive Stock Plan.
- (3) Restricted stock units were granted pursuant to the Company's Amended and Restated 2006 Incentive Stock Plan with no payment received for the restricted stock units.
- (4) D. Keith Grossman & Hallie Hildebrand Grossman, TTEES Grossman Family Trust

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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