

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>Rosebrough Walter M Jr</u> (Last) (First) (Middle) 5960 HEISLEY ROAD (Street) MENTOR OH 44060 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>STERIS CORP [STE]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) President & CEO
	3. Date of Earliest Transaction (Month/Day/Year) 10/01/2010	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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	(A) or (D)	Price			
Common Shares, No Par Value	10/01/2010		S ⁽¹⁾		2,600	D	\$33.2401	109,400	D	
Common Shares, No Par Value	10/01/2010		S ⁽²⁾		9,000	D	\$33.0373	100,400	D	
Common Shares, No Par Value	10/01/2010		M ⁽³⁾		11,000	A	\$33.43	111,400	D	
Common Shares, No Par Value	10/01/2010		M ⁽⁴⁾		12,000	A	\$33.43	123,400 ⁽⁵⁾	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Conversion of Restricted Stock Units	(6)	10/01/2010		M			11,000	(7)	(7)	Common Shares, No Par Value	\$0	0	D	
Conversion of Restricted Stock Units	(6)	10/01/2010		M			12,000	(8)	(8)	Common Shares, No Par Value	\$0	0	D	

Explanation of Responses:

- This open market sale of a total of 2,600 Common Shares is for the purpose of providing for the taxes payable upon the vesting of 23,000 restricted stock units and is made pursuant to a Rule 10b5-1 Stock Trading Plan entered into by the Reporting Person on May 9, 2010.
- This open market sale of a total of 9,000 Common Shares is for the purpose of providing for the taxes payable upon the vesting of 23,000 restricted stock units and is made pursuant to a Rule 10b5-1 Stock Trading Plan entered into by the Reporting Person on May 9, 2010.
- This acquisition of 11,000 Common Shares represents the vesting on October 1, 2010 of 11,000 Restricted Stock Units granted pursuant to an agreement effective October 15, 2007.
- This acquisition of 12,000 Common Shares represents the vesting on October 1, 2010 of 12,000 Restricted Stock Units granted pursuant to an agreement effective October 15, 2007.
- 83,000 of these Common Shares are restricted. The restrictions on these Common Shares lapse as follows: 24,000 on May 23, 2011, 24,000 on May 21, 2012 and 35,000 on May 20, 2014.
- Each Restricted Stock Unit represents a contingent right to receive one STERIS Common Share.
- These Restricted Stock Units vested on October 1, 2010. The 11,000 vested Common Shares will be delivered to the reporting person promptly.
- These Restricted Stock Units vested on October 1, 2010. The 12,000 vested Common Shares will be delivered to the reporting person promptly.

Dennis P. Patton, Authorized Representative under Power of Attorney 10/01/2010

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.