OMB APPROVAL

OMB Number: 3235-0145 Expires: December 31, 1997 Estimated average burden

hours per response...14.90

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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO.)*
Steris Corp.	
(Name of Issuer)	
Common Stock, no par value per	share
(Title of Class of Securit	ies)
859152100	
(CUSIP Number)	

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 4 pages

1	A I M Management Group I	I CATION NO. OF ABOVE PERSON Cnc., on behalf of itself and its wholly-owned Csors, Inc. and A I M Capital Management, Inc.
2	CHECK THE APPROPRIATE BO	X IF A MEMBER OF A GROUP*
_		(a) / / (b) / /
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF	ORGANIZATION
	State of Delaware	
		5 SOLE VOTING POWER
	NUMBER OF	
	SHARES	
	BENEFICIALLY	6 SHARED VOTING POWER
	OWNED BY	1,698,300
	EACH	7 SOLE DISPOSITIVE POWER
	REPORTING	
	PERSON	8 SHARED DISPOSITIVE POWER
	WITH	
		1,698,300
9	AGGREGATE AMOUNT BENEFIC	IALLY OWNED BY EACH REPORTING PERSON
	1,698,300	
10	CHECK BOX IF THE AGGREGA	TE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
 11	PERCENT OF CLASS REPRESE	ENTED BY AMOUNT IN ROW 9
	5.1%	
 12	TYPE OF REPORTING PERSON]*
	нс	

*SEE INSTRUCTION BEFORE FILLING OUT!

Item 1(a)	NAME OF ISSUER: Steris Corp.
Item 1(b)	ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 5960 Heisley Road Mentor, OH 44060
Item 2(a)	NAME OF PERSON FILING: A I M Management Group Inc.
Item 2(b)	ADDRESS OF PRINCIPAL BUSINESS OFFICE: 11 Greenway Plaza, Suite 1919 Houston, Texas 77046
Item 2(c)	CITIZENSHIP: State of Delaware
Item 2(d)	TITLE OF CLASS OF SECURITIES: Common Stock, no par value per share
Item 2(e)	CUSIP NUMBER: 859152100
Item 3	TYPE OF REPORTING PERSON: Parent Holding Company, in accordance with section 240.13d-1(b)(ii)(G)
Item 4(a)	AMOUNT BENEFICIALLY OWNED AS OF DECEMBER 31, 1996: 1,698,300 shares of common stock
Item 4(b)	PERCENT OF CLASS: 5.1%
Item 4(c)	DEEMED VOTING POWER AND DISPOSITION POWER: (i) sole power to vote or to direct the vote: N/A (ii) shared power to vote or to direct the vote: 1,698,300 (iii) sole power to dispose or to direct the disposition of: N/A (iv) shared power to dispose or to direct the disposition of: 1,698,300
Item 5	OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS: N/A

Item 6 OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

N/A

Page 3 of 4 pages

IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

A I M Advisors, Inc. and A I M Capital Management, Inc., Investment Advisers registered under Section 203 of the Investment Advisers Act

Item 8 IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

N/A

Item 9 NOTICE OF DISSOLUTION OF A GROUP:

N/A

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

SIGNATURE:

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 1997 A I M Management Group Inc.

/s/ CAROL F. RELIHAN

Carol F. Relihan Vice President, Secretary and General Counsel

** Please call Sharon Poessel at (713) 214-1126 with questions regarding this filing.