

As filed with the Securities and Exchange Commission on July 20, 1999

Registration No. 333-34461

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form S-3
Post-Effective Amendment No. 1
To
Registration Statement
Under
The Securities Act of 1933

Thermo Fibertek Inc.
(Exact name of registrant as specified in its charter)

Delaware 52-1762325
(State or other jurisdiction of (IRS Employer Identification Number)
incorporation or organization)

245 Winter Street
Waltham, Massachusetts 02451
(781) 370-1650
(Address, including zip code, and telephone number, including area code,
of registrant's principal executive offices)

Sandra L. Lambert, Secretary
Thermo Fibertek Inc.
c/o Thermo Electron Corporation
81 Wyman Street
P.O. Box 9046
Waltham, Massachusetts 02454-9046
(781) 622-1000
(Name, address, including zip code, and telephone number,
including area code, of agent for service)

Copies to:
Seth H. Hoogasian, Esq.
General Counsel
Thermo Fibertek Inc.
C/o Thermo Electron Corporation
81 Wyman Street
P.O. Box 9046
Waltham, Massachusetts 02454-9046
(781) 622-1000

Approximate date of commencement of proposed sale to public: As soon as
practicable after the Registration Statement has become effective.

If any of the securities being registered on this form are to be
offered on a delayed or continuous basis pursuant to Rule 415 under the
Securities Act of 1933, check the following
box. [X]

If this form is filed to register additional securities for an offering
pursuant to Rule 462(b) under the Securities Act of 1933, check the following
box and list the Securities Act registration statement number of the earlier
effective registration statement for the same offering. []

If this form is a post-effective amendment filed pursuant to Rule 462(c)
under the Securities Act of 1933, check the following box and list the

Securities Act registration statement number of the earlier effective
registration statement for the same offering. []

This post-effective amendment removes from registration 12,644,628 shares of Thermo Fibertek Inc.'s common stock, \$.01 par value per share. The registrant was obligated to maintain the effectiveness of this registration statement until the shares offered hereby were eligible for resale pursuant to Rule 144(k) under the Securities Act of 1933, as amended, or any similar rule. Because the shares covered hereby are eligible for resale pursuant to Rule 144(k), the registrant hereby removes these shares of Common Stock from registration. The registration is hereby terminated.

SIGNATURES

Pursuant to the requirements of the Securities Act, the Registrant has duly caused this Post-Effective Amendment No. 1 to Registration Statement on Form S-3 (Reg. No. 333-34461) to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Waltham, Commonwealth of Massachusetts, on this 20th day of July, 1999.

THERMO FIBERTEK INC.

By: /s/ William A. Rainville
William A. Rainville
President and Chief Executive
Officer

Signature -----	Title -----	Date ----
/s/ William A. Rainville ----- William A. Rainville	President, Chief Executive Officer and Director (Principal Executive Officer)	July 20, 1999
/s/ Theo Melas-Kyriazi ----- Theo Melas-Kyriazi	Vice President and Chief Financial Officer (Principal Financial Officer)	July 20, 1999
/s/ Paul F. Kelleher* ----- Paul F. Kelleher	Chief Accounting Officer (Principal Accounting Officer)	July 20, 1999
/s/ Walter J. Bornhorst* ----- Walter J. Bornhorst	Director	July 20, 1999
----- George N. Hatsopoulos	Director	July 20, 1999
/s/ John N. Hatsopoulos* ----- John N. Hatsopoulos	Director	July 20, 1999

/s/ Francis L. McKone*

Francis L. McKone

Director

July 20, 1999

/s/ Donald E. Noble*

Donald E. Noble

Chairman of the Board of
Directors

July 20, 1999

* The undersigned Seth H. Hoogasian, by signing his name hereto, does hereby execute this Amendment No. 1 to Registration Statement on behalf of the above-named signatories to the Registration Statement pursuant to powers of attorney executed by such persons and filed with the Securities and Exchange Commission.

/s/ Seth H. Hoogasian

Seth H. Hoogasian
Attorney-in-Fact