

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

**SCHEDULE 14A**

**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934**

Filed by the Registrant                       Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, For Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to § 240.14a-12

**InfuSystem Holdings, Inc.**

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if Other Than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(4) and 0-11.

(1) Title of each class of securities to which transaction applies:

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(2) Aggregate number of securities to which transaction applies:

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(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

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(4) Proposed maximum aggregate value of transaction:

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(5) Total fee paid:

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Fee paid previously with preliminary materials.

Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount Previously Paid:

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(2) Form, Schedule or Registration Statement No.:

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(3) Filing Party:

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(4) Date Filed:

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**FOR IMMEDIATE RELEASE**

**INFUSYSTEM PROVIDES UPDATE ON SPECIAL MEETING OF STOCKHOLDERS**

MADISON HEIGHTS, Mich., Mar. 5, 2012 — InfuSystem Holdings, Inc. (NYSE Amex: INFU) (“Company”), the leading national provider of infusion pumps and related services, today announced that the previously announced request by Kleinheinz Capital Partners, Meson Capital Partners, Boston Avenue Capital and certain affiliates (the “Kleinheinz Dissident Group”) to call a special meeting has been determined to be valid based upon a report by an independent inspector of elections.

In accordance with the Company’s bylaws, the InfuSystem Board of Directors will set a meeting date for the special meeting, which will be held no later than May 12, 2012. Further details regarding the meeting will be included in the Company’s proxy statement, which InfuSystem will mail to stockholders of record in advance of the special meeting.

**About InfuSystem Holdings, Inc.**

InfuSystem Holdings, Inc. is the leading provider of infusion pumps and related services to hospitals, oncology practices and other alternate site healthcare providers. Headquartered in Madison Heights, Michigan, the company delivers local, field-based customer support, and also operates Centers of Excellence in Michigan, Kansas, California, and Ontario, Canada. The company’s stock is traded on the NYSE Amex under the symbol INFU.

**Forward-Looking Statements**

Except for the historical information contained herein, the matters discussed in this press release are forward-looking statements that involve risks and uncertainties that could cause actual results to differ materially from those predicted by such forward-looking statements. These risks and uncertainties include general economic conditions, as well as other risks, detailed from time to time in the company’s publicly filed documents.

**Additional Information and Where to Find It**

In connection with the special meeting, InfuSystem Holdings, Inc. will file a proxy statement with the Securities and Exchange Commission (the “SEC”). **STOCKHOLDERS ARE URGED TO READ THE PROXY STATEMENT AND OTHER RELEVANT MATERIALS WHEN THEY BECOME AVAILABLE BECAUSE THEY CONTAIN IMPORTANT INFORMATION.** InfuSystem and its directors and executive officers may be deemed to be participants in the solicitation of proxies in connection with the special meeting. Stockholders may obtain additional information regarding such participants and their interests from the proxy statement, when available, and from InfuSystem’s periodic reports filed with the SEC. The periodic reports and proxy statement and other relevant documents will be available at no charge at the web site of the SEC at [www.sec.gov](http://www.sec.gov).