

To: Graseby Large Volume Pump Customers

Re: Supply Chain Disruption of LVP Tubing Sets

Urgent Notice

This letter is to inform Smiths Medical customers of a situation that has occurred in our manufacturing plant in Thailand that is affecting our global supply of IV tubing for use with the Graseby 3000/500 Large Volume Pumps (LVP).

Recently there was a monsoon in Thailand, that when combined with a high tide, has caused severe flooding in many areas. The Smiths Medical manufacturing plant for the Graseby LVP tubing sets is located in one of the affected areas, and two weeks post-monsoon, is still under two plus feet of water.

As a result of this situation, Smiths Medical has put all orders on allocation to limit inventory fluctuation and to supply as many customers with product for as long of a period as possible. Smiths Medical cannot yet provide a date as to when we can begin manufacturing tubing, as we are still in the assessment phase to understand the degree of damage and our best options for returning manufacturing to normal levels. We believe we have adequate inventory to supply most customers with product through January 2012. We have more inventory of certain product codes than others and will look to provide substitution lists should it be necessary.

Suggested actions:

Please begin to assess your supply chain to understand where any potential excess inventory might be available. Consider options in terms of managing your IV patients. This could include the use of gravity sets, syringe pumps or ambulatory pumps within your facility to help minimize the impact of this interruption for Graseby LVP sets. Work with your local sales person or supplier to communicate demand requirements.

Smiths Medical understands the seriousness of this situation and apologizes for this major inconvenience. We are doing everything we can to identify solutions and bring production back to normal as quickly as possible.

Sincerely,

Mark Vaughan
Director, Global Product Management
Smiths Medical

Affected Graseby LVP tubing set product codes with descriptions:

Item	Description
21-0303-01	BLOOD SET, MDL 8C195, 1Y, 12 DPS/ML 30/BX
21-0304-01	SET, ADMIN, MDL 8C290, 30/CS
21-0309-01	SET, BLOOD, MDL CC2102, W/PRE-PIERCED INJECTION SITE 30/CS
21-0316-25	SET, BLOOD, MDL 8C195 INT'L, 30/CS
21-0317-25	SET, ADMIN, MDL 8C290 INT'L, 30/CS
21-0318-25	SET, ADMIN, MDL 8C1230 INT'L, 30/CS
21-0319-25	SET, ADMIN, MDL 8C1630, INT'L, W/O FILTER, 30/CS
21-0322-01	SET, ADMIN, MDL 4236, 40/CS
21-0323-01	SET, ADMIN, MDL 8C220, 40/CS
21-0324-01	SET, ADMIN, MDL 8C230, 40/CS
21-0328-01	SET, ADMIN, MDL 8C4220, 40/CS
21-0330-01	SET, ADMIN, MDL AC2029, 40/CS
21-0331-01	SET, ADMIN, MDL AC2204, 40/CS
21-0332-01	SET, ADMIN, MDL AC2308, 40/CS
21-0333-01	SET, ADMIN, MDL CC1201, W/PRE-PIERCED INJECTION SITE, 40/CS
21-0334-01	SET, ADMIN, MDL CC1301, W/PRE-PIERCED INJECTION SITE, 40/CS
21-0339-01	SET, ADMIN, MDL CC4203, W/PRE-PIERCED INJECTION SITE, 40/CS
21-0340-01	SET, ADMIN, MDL CF4203, W/PRE-PIERCED INJECTION SITE, 40/CS
21-0345-25	SET, ADMIN, MDL 8C230, INT'L, 40/CS
21-0346-25	SET, ADMIN, MDL 8C820, INT'L, 40/CS
21-0347-25	SET, ADMIN, MDL 8C825, INT'L, 40/CS
21-0348-25	SET, ADMIN, MDL 8C860, INT'L, 40/CS
21-0349-25	SET, ADMIN, MDL 8C4220, INT'L, 40/CS
21-0400-01	SET, ADMIN, MDL NC4203, NAC, 40/CS
21-0401-01	SET, ADMIN, MDL NC1201, NAC, 40/CS
21-0402-25	SET, ADMIN, MDL RC4106, NAC, 40/CS
21-0425-01	SET, BLOOD, MDL NC2102, NAC, 30/CS
21-0427-01	SET, ADMIN, MDL NK4303, NAC, 30/CS
21-0430-01	SET, ADMIN, MDL NC2308, NAC, 40/CS
21-0440-25	SET, ADMIN, MDL RJ4303, NAC, 30/CS
21-0441-25	SET, ADMIN, MDL RC2124, NAC, 40/CS
21-0442-25	ADMIN SET, MDL RC1201, NAC 40/BX
21-0444-25	SET, ADMIN, MDL RK4303, NAC, W/O FILTER, 30/CS
21-0445-25	SET, ADMIN, MDL RC4203, NAC, 40/CS
1721-001	IV SYSTEM VENTED 40/BX
1721-003	IV SYSTEM NEEDLE INLET 40/BX
1721-004	IV SYSTEM MALE LUER INLET 50/BX
1820-002	8C-820-2 OPAQUE VENTED ADMIN SET 50/CA
591-047	EXTENSION LINE NON-VENTED 150/BX
591-052	EXTENSION LINE 30CM VENTED 150/BX
591-057	IV SYSTEM NON-VENTED 50/BX
591-078	IV SYSTEM VENTED/VALVE 50/BX
591-079	IV SYSTEM VENTED/VALVE 50/BX
591-082	8C-591 STANDARD BLOOD ADMIN SET 50/BX
591-085	IV SYSTEM CHEMOTHERAPY PE/OPAQUE 25/CA
591-101	8C-390 EPIDURAL SET VENTED, YELLOW TUBING 40/BX