

**Level 1® H-1200 Fast Flow Fluid Warmer** WITH INTEGRATED AIR DETECTOR/CLAMP



Temperature Management Solutions® for improved patient outcomes

# Level 1® H-1200 Fast Flow Fluid Warmer

## The New Standard of Care for Rapid Infusion

Smiths Medical makes rapid infusion even safer. Now you can rapidly infuse warm fluids and provide an extra level of protection by using the Level 1® H-1200 Fast Flow Fluid Warmer. It features the Level 1® Air Detector/Clamp that automatically clamps the patient line when air is detected.

### Automated Pressure Chambers

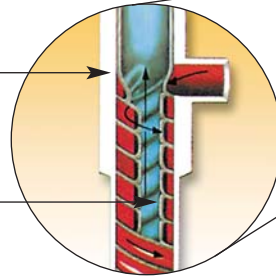
- Mounted pressure chambers allow fast and easy bag changes
- Accommodate standard blood and crystalloid bags
- On/Off toggle switch automatically pressurizes chambers to a constant pressure of 300 mmHg

### Heat Exchanger

- Aluminum heat exchanger transfers heat 1000 times faster than plastic<sup>1</sup>
- Counter-current recirculating solution at 42°C provides effective and stable heating

Aluminum, Counter-Current Heat Exchanger

Warm Recirculating Solution



### Built-in Safety Features

- Displays reservoir set point
- Monitors reservoir temperature to prevent overheating
- Audible and visual alarms if reservoir temperature reaches 43.9° C
- Audible and visual alarms if disposable is not correctly inserted into the fluid warmer
- Audible and visual alarms if recirculating solution in reservoir is below the minimum desired level
- Meets all AABB standards for blood warming<sup>2</sup>
- Level 1® Air Detector/Clamp detects air in the I.V. line and stops flow of fluid if air is present

<sup>1</sup> Flancbaum L et al. Evaluation of blood-warming devices with the apparent thermal clearance. Ann Emer Med. 1989;18:355-9.

<sup>2</sup> Guidelines for the use of Blood Warming Devices. AABB. 2002.





Level 1® H-31B Air Detector/Clamp

### Level 1® H-31B Air Detector/Clamp

- Operating Mode indicator lights **green** when the fluid warmer is ON, the disposable is properly inserted, and the Air Detector/Clamp door is closed
- Check Tubing Mode indicator lights **yellow** and a medium priority alarm beeps when the tubing has not been placed properly into the Air Detector/Clamp slot and/or when the Clamp Slot door is not closed correctly
- Air Detector/Clamped Mode indicator lights **red** and a high priority alarm beeps when air is detected in the Gas Vent/Filter Assembly — the patient line is automatically clamped preventing fluid going into the patient — it automatically unclamps and resumes operation once all air is removed through the Gas Vent
- Air is detected in the fluid path and removed through the Gas Vent without disconnecting from the patient
- Upgrade your Level 1® H-1025 Fast Flow Fluid Warmer with the new Level 1® H-31B Air Detector/Clamp to provide the benefits of air detection and automatic clamping

### Easy To Use

- Disposables are easy to insert and remove
- Gas Vent/Filter Assembly\* can be changed without replacing the entire disposable
- Durable surface makes it easy to clean
- Roller wheels on base make it easy to transport within your facility

\* Gas Vent/Filter Assembly (F-10 and F-30) need replacing every three hours, when filter becomes clogged, or when flow rate slows down.

# Level 1® H-1200 Fast Flow Fluid Warmer

## DISPOSABLE ADMINISTRATION SETS AND ACCESSORIES



D-100 Disposable Administration Set



Full Range of Disposable Administration Sets and Accessories

### High Performance Disposable Administration Sets and Accessories:

Smiths Medical offers a full line of disposable administration sets and accessories for use with Level 1® Fast Flow Fluid Warmers.

All fast flow disposable administration sets and accessories:

- Are latex free
- Provide a sterile fluid path
- Are designed for single patient use

### Ordering Information

Ref. Code	Description	Units/Case
H-1200	Level 1® Fast Flow Fluid Warmer with integrated Air Detector/Clamp	1
H-31B	Level 1® Air Detector/Clamp	1

### Disposable Normothermic IV Administration Sets

D-50	Maximum normothermic flow rate: 300 mL/min	20
D-60HL	Maximum normothermic flow rate: 500 mL/min	10
D-70	Maximum normothermic flow rate: 600 mL/min	20
D-100	Maximum normothermic flow rate: 800 mL/min	10
D-300	Maximum normothermic flow rate: 1,000 mL/min	10

**NOTE:** D-50, D-60HL and D-70 flow rates based on using crystalloid, 300 mmHg with 14g catheter. D-100 and D-300 flow rates based on using crystalloid, 300 mmHg with 8.5Fr catheter. [data on file]

### Accessories

F-10	Gas Vent/Filter Assembly (Replacement for D-50, D-60HL, D-70, D-100)	20
F-30	Gas Vent/Filter Assembly (Replacement for D-300)	20
PF-1	Fast Flow Pre-Filter (use one per unit of blood)	60
SC-3	Fast Flow 3-Way Stopcock (3.0 mm [9Fr] inner diameter)	40
Y-INJ	Fast Flow Extension Set with Injection Site (20.3 cm [8"] long)	40
X-36	Fast Flow Extension Line (91.4 cm [36"] long)	40

**smiths**

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Please refer to the Instructions for Use supplied with the product for detailed instructions, warnings, and cautions.

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