



Level 1™ H-1200 Fast Flow Fluid Warmer  
with Integrated Air Detector/Clamp  
Performance You'll Warm Up To

# Standard of Care for Rapid Infusion

For patients with acute circulatory failure, rapid infusion of crystalloid and/or blood products can be a life-saving intervention and is first-line treatment for acute resuscitation of patients with shock.<sup>1</sup> The Level 1 Fast Flow Fluid Warmer provides a rapid flow of warmed fluids, such as crystalloid or blood product (including red blood cells) at a maximum flow rate of up to 1400 ml/min.

The Level 1 Fast Flow Fluid Warmer delivers a rapid infusion of warm fluids and does so while providing an extra level of protection with an integrated air detector/clamp. If air is detected in the line, the flow is automatically stopped; the air is quickly removed, and flow restored, without disconnecting from the patient or requiring the administration set be changed.

## Automated Pressure Chambers

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

## Heat Exchanger

- › Counter-current recirculating solution maintained at 107.6°F/42°C provides effective and stable heating

## Built-In Safety Features

- › Air detector/clamp automatically stops flow if air is present, and removes it without disconnecting from the patient
- › Displays reservoir solution and notifies user if volume is low or is over the acceptable temperature for safe use
- › Notifies user if disposable set is not properly installed

## Easy to Use

- › Disposables are simple to insert and remove, with numbered blocks on the warmer
- › Gas vent/filter assembly can be changed without replacing the entire disposable
- › Durable surface makes it easy to clean
- › Large roller wheels allow for easy transport within facility

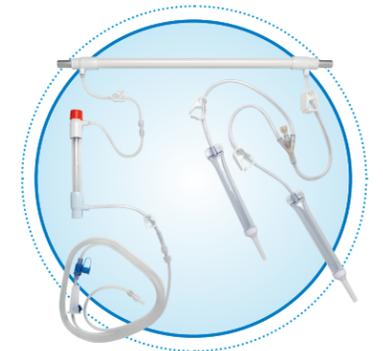
## Air Detector/Clamp

- › Operating Mode LED lights green when the fluid warmer is on, the disposable is properly installed, and the air detector/clamp door is closed
- › Check Tubing Mode LED lights yellow and an audible alarm sounds when the patient line tubing has not been properly placed in the air detector/clamp slot and/or when the clamp slot door is not correctly closed
- › Air detector/clamp mode LED lights red and an audible alarm sounds when air is detected in the gas vent/filter assembly. The patient line is automatically clamped, preventing fluid from going into the patient; it then unclamps and resumes operation once all air is removed through the gas vent. The line is not disconnected from the patient



## High Performance Disposable Administration Sets

- › Latex-free
- › Sterile fluid path
- › Designed for single-patient use



D-100 Disposable Administration Set



Full Range of Disposable Administration Sets and Accessories

# Ordering information

## Level 1 H-1200 Fast Flow Fluid Warmer with integrated Air Detector/Clamp

Product Code	Description	Units/Case
H-1200-EN-115V-US	Level 1 Fast Flow Fluid Warmer with integrated Air Detector/Clamp	1
H-31-EN	Level 1 Air Detector/Clamp	1

## Disposable Normothermic IV Administration Sets

Product Code	Description	Units/Case
D-60HL	Maximum normothermic flow rate: 530 mL/min	10
D-70	Maximum normothermic flow rate: 675 mL/min	20
D-100	Maximum normothermic flow rate: 950 mL/min	10
D-300	Maximum normothermic flow rate: 1,100 mL/min	10

## Accessories

Product Code	Description	Units/Case
F-10	Gas Vent/Filter Assembly (Replacement for 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
X-36	Fast Flow Extension Line (91.4 cm/36 in long)	40
80-04-003	O-Ring Kit	1
80-01-040	DSTA-40 FFW Tempcheck	1
Y-INJ	Fast Flow Extension Set with Injection Site (20.3 cm/8 in long)	40
Y-30	High-flow Y-Extension Set	40