

# GENTHERM

## Astotherm® Plus High Performance Blood & Infusion Warmer



Warm infusions and transfusions can help protect your patient from hypothermia in the operating theatre and in intensive care. Astotherm Plus efficiently, safely and economically warms all infusions and transfusions, using a dry-flow heating method. Warming close to the patient means that infusions and blood products no longer require warming in advance. Blood products can be kept in the refrigerator until they are needed.

### EFFECTIVE PERFORMANCE FOR RAPID ROUTINE USE

Astotherm Plus 220/220S are ready for use in under 60 seconds, with the result that every patient in the operating room or in intensive care can be supplied rapidly with warm transfusions and infusions. Astotherm plus 220/220S covers over 97% of clinically-relevant transfusion and infusion rates. Can be used to warm fluids administered to a patient at flow rates of 0- 6000mls/h.

Astotherm 220S variant is supplied with the additional Astoline® heated profile, ensuring fluids reach the patient at the optimum temperature, preventing the heated solution from cooling down on the way from the warmer to the patient - no other dry warmer provides this benefit.

### Features and Benefits



Temperature selection 39/41/43°C and triple-independent over temperature cut-out



Special groove for rapid insertion of the Astotube extension line and optimum heat transfer



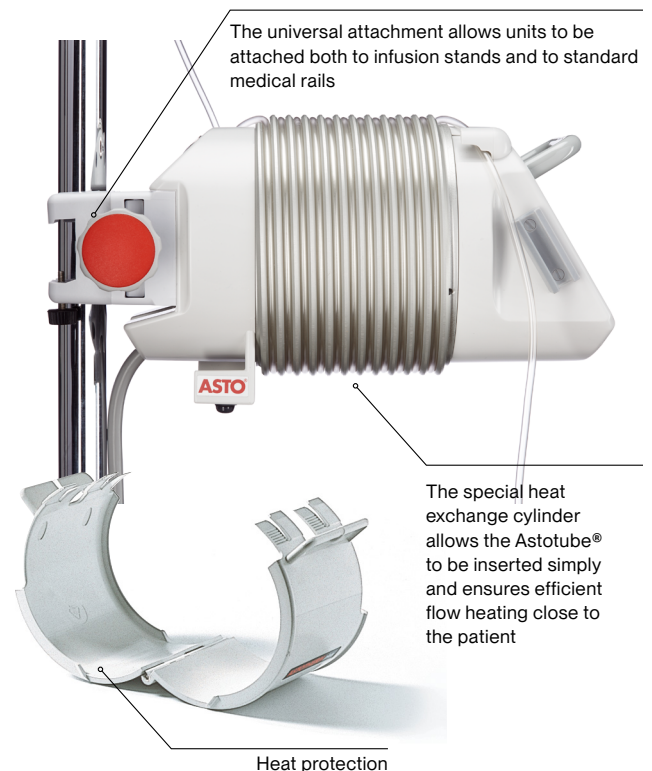
Microprocessor-controlled for simple operation



Heat protection sleeve included as standard on AP220S variants



Astoline® - 130cm heated profile from the warmer to the patient included as standard on AP220S variants



## ASTOTUBE®

### The PVC extension line

The Astotube extension line is designed for use with the Astotherm Plus warmer.

Consumables used with other fluid warming devices, can cost several times as much as Astotube, making it an economic alternative.

## ASTOLINE®

The 130cm actively-heated profile prevents the heated solution from cooling down on the way from the warmer to the patient

Approx. 97% of all transfusions and infusions are infused at flow rates of below 2,500 ml/h. In this range in particular, Astoline provides active protection against cooling down.

Blood and infusions thus reach the venous cannula of the patient at the perfect temperature, even in the case of small or average flow rates.

Astotherm, Astoflo, Astotube and Astoline are registered trademarks of Stihler Electronics GmbH, a Gentherm Company.

# ASTOTHERM® Ordering Information

Product Description	1pcs / box Product Code:
<b>ASTOTHERM®</b>	
AstothermPlus 220, 115V. Outer diameter Ø 4mm, length 575cm. Filling Volume approx. 40 ml.	AP220NA
AstothermPlus 220S, 115V. Includes heat protection sleeve. Outer diameter Ø 4mm, length 575cm. Filling Volume approx. 40 ml.	AP220SNA
<b>ASTOTUBE®</b>	
Infusion extension Ø 4mm, length 575cm. (For use with AP220/AP220S Models.) 50/ct	IFT30460
<b>ASTOLINE®</b>	
Active isolation for AP220S	AL222
<b>HEAT PROTECTION SLEEVE</b>	
Can be used with all AP models	WM226



## CONTACT US

Please contact your approved Gentherm supplier for more information and to place orders.

Company:

Phone:

Email: