



Fluido®

Blood and Fluid Warming

by anandic

The next generation of  
Blood and Fluid Warming



The Surgical  
Company

Specialization through Innovation

# LOW/MODERATE FLOW

# Fluido® Compact

Blood and Fluid Warming

Fluido® Compact is a low to moderate flow Blood and Fluid Warming system. It is easy to use, safe and cost effective with an outstanding performance for daily use.

The Fluido® Compact combines ease of use with low operational costs. The intuitive control panel can be operated with only a single button. The disposable set consists of a cassette, a 400mm long patient line and is also available with a 700mm long patient line, a drip chamber and an access point. It is an **easy-to-use device** to prevent inadvertent perioperative hypothermia and improves patient's outcome.

The device is **maintenance free**. The Fluido® Compact Blood and Fluid Warming system components have a durable and long-lasting design. The 37Company recommends to conduct an electrical safety test and over temperature alarm test once a year. The disposable sets **move easily with the patient between different systems**. This allows the caregiver to warm IV fluids for the patient across

departments with only one disposable without having to move the warming unit. The embedded software enables maximum patient safety through multiple temperature sensors and an independent safety control system. It provides **accurate and safe Blood and Fluid Warming**.

“Prime, insert the set, switch on and the Fluido® Compact is ready to use”



## Fluido® Compact System | Article number 650000

Containing Fluido® Compact Control Module & Fluido® Compact Warming Module

### Fluido® Compact Control Module | Article number 650100

Dimensions	285 x 120 x 195mm
Weight	< 1700g
Voltage	100 - 240V~ (50/60Hz)
Max. power	160W
Classification (MDD 93/42/EEC)	Class IIb
Classification (IEC 60601-1)	Class II, Body Floating
Classification (IEC 60529)	IPX1

### Fluido® Compact Warming Module | Article number 650200

Dimensions	165 x 75 x 50mm
Weight	< 450g
Temperature setpoint	39°C
Classification (MDD 93/42/EEC)	Class IIb
Classification (IEC 60601-1)	Class II, Body Floating
Classification (IEC 60529)	IPX4

### Fluido® Compact Standard Set | Article number 672000

Priming volume	4ml (5ml with 300mmHg pressure)
Patient line	400mm
Max. flow	400ml/min <sup>9</sup>
Normothermic flow	5 - 100ml/min <sup>9</sup> (300 - 6000ml/h)
Heat exchanger	Parylene coated aluminum plate
Box quantity	120 (4 x 30 pieces)

### Fluido® Compact Standard Set with drip chamber | Article number 672100

Priming volume	15ml (16ml with 300mmHg pressure)
Patient line	700mm
Max. flow	400ml/min <sup>9</sup>
Normothermic flow	15 - 100ml/min <sup>9</sup> (900 - 6000ml/h)
Heat exchanger	Parylene coated aluminum plate
Box quantity	60 (4 x 15 pieces)

**The Surgical Company -  
Specialization through Innovation**  
Our Patient Temperature Management product portfolio is all about offering solutions for patient warming, about keeping patients at a constant healthy body temperature.  
The Surgical Company is working with respected medical professionals to accomplish continuous innovation, improve patient outcome and to reduce health care costs. This by providing training, education and economically justified, best-in-class products.

- 1 Sessler D., Mild perioperative hypothermia. N Engl J Med, June 1997, 336(24):1730-1737
- 2 Evans J.W, Singer M., Coppinger S.W. et al., Cardiovascular performance and core temperature during transurethral prostatectomy. J. Urol 1994, 152:2025-9
- 3 ECRI Report, Warming Units, Blood/Solution, December 2002
- 4 Luna G.K., et al., Incidence and Effect of Hypothermia in Seriously Injured Patients, The Journal of Trauma (1987)
- 5 Jurkovich G.J., Hall G.M., Hypothermia in trauma victims: An ominous predictor of survival. The Journal of Trauma (1987)
- 6 Kurz A., Sessler D., Lenhardt R., Perioperative normothermia to reduce the incidence of surgical-wound infection and shorten hospitalization. Study of Wound Infection and Temperature Group, New England Journal of Medicine (1996) 334: 1209-15
- 7 Incoming fluid temperature of 20°C, flow rate 650ml/min
- 8 Free flow with 300 mmHg
- 9 Incoming fluid temperature of 20°C, normothermic flow between 36°C and 37.5°C

## Virtual37® Temperature Management Tool

Virtual37 is a Temperature Management Tool. This simulation tool offers an innovative and easy way to understand the impact of the warming balance and the warming decisions taken in surgeries.

The tool has been validated by University Hospital Ghent, Belgium.



**Broncoflex®**  
Single-use Bronchoscope

**Mistral-Air®**  
Forced Air Warming

**Fluido®**  
Blood and Fluid Warming

**Fluido® Irrigation**  
Fluid Warming

**Sensium®**  
Wireless Vitals Monitoring

**Thermoflect®**  
Heat Reflective Technology

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Fluido® and Mistral-Air® are registered trademarks of The Surgical Company International B.V.  
Fluido® products are covered by the following European patents: 1313521 and 1446179.  
Mistral-Air® Blankets Plus are covered by the following American patent: 12/342,933.  
Other patents pending.

Thermoflect® is a registered trademark of Encompass Group, LLC.

Images shown, may differ from the actual product

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