



CompoMat® G5 *Plus*

The latest generation of automated
blood component separators

The CompoMat® G5 *Plus* standardizes blood component separation by combining the innovations of the CompoFlow closure device and wide-bore tubing for faster top and bottom separation.

Flexibility to work with all blood bag types on the market

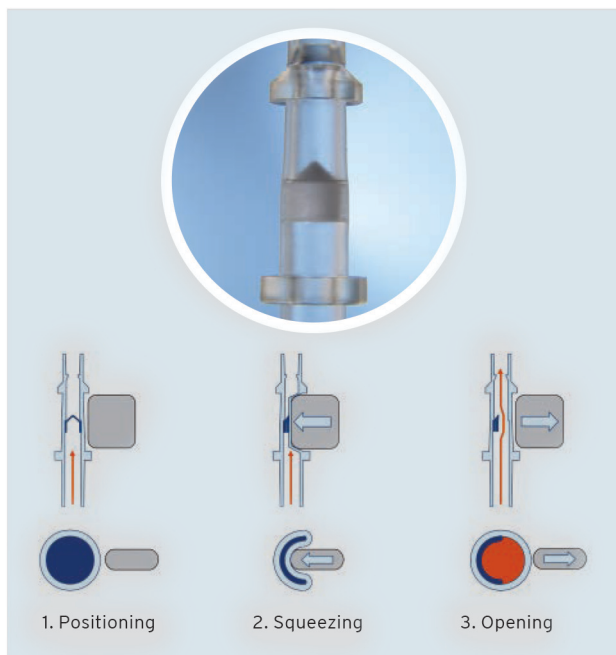
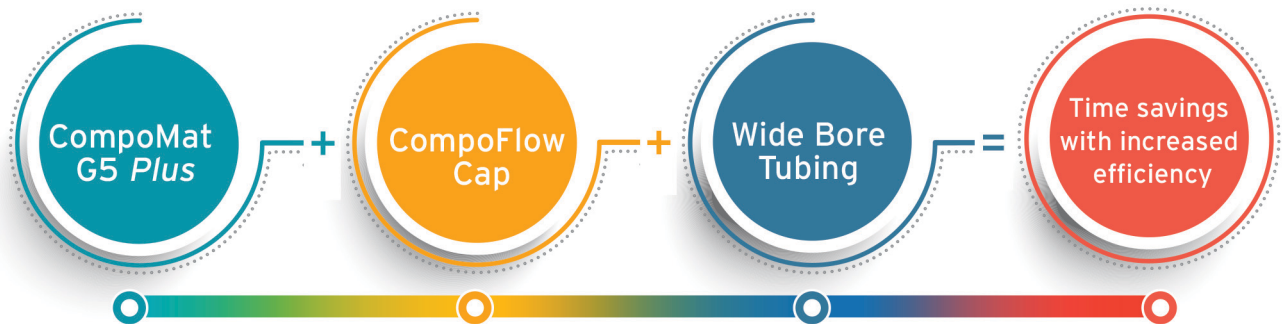
Maximised efficiency

Reduced risk of RSI and hemolysis

Advanced technological platform

Exchangeable modules for automatic breaking of standard blood bag breaker cannulas

The CompoMat® G5 *Plus* combines innovations into one system for a faster top and bottom separation time than with standard tubing



CompoFlow® cap principle

The traditional bag breaker is replaced by a patented cap, automatically squeezed by the CompoMat® G5 *Plus* opener.

Advantages of the CompoFlow® bag system:

- Standardized positioning, squeezing, and opening of the CompoFlow® cap; fully automated²
- Special form coding prevents application errors¹
- Reduced risk of hemolysis due to incorrect processing is especially attributed by standardization of the breakaway opening process¹
- More operator comfort²

Wide bore tubing

Advantages of wide bore tubing:

- Average separation time with Top and Bottom system typically ≤ 2 minutes⁹
- Large diameter reduces processing time up to 26%¹⁰
- Low hemolysis rate⁹

Please refer to the references provided on the back page.

Designed for easy handling



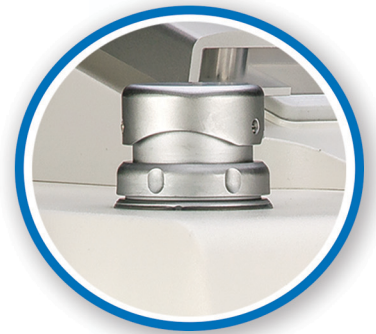
Plasma balance

- Automated weighing and air removal
- Auto-tare function
- Shortest tube length < 3 cm



Movable sealing heads

- Integrated optical and adjustable sensor
- Movable lids
- Reliable high frequency sealings
- Tube insert surveillance with alarm function



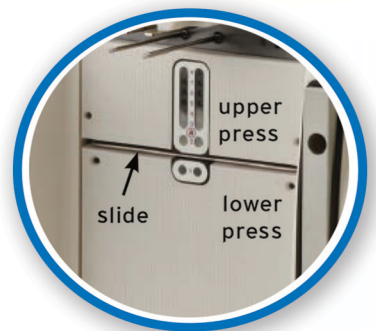
Color screen with keypad

- For a neat process monitoring
- Displays alternately process time and program name



Flexible presses system

- Precise, quick, silent and programmable stepper motors
- Interaction of upper and lower press and slide for more flexibility in component separation





Press balance

- Semi-automatic weighing of the front bag



Front door

- Automatic opening for easier handling



CompoSure M

- A manual opener for the CompoFlow® cap



Exchangeable modules

- CompoMat G5 *Plus* automatic opener for CompoFlow® caps
- Modules for automatic opening of traditional breaker

CompoMat® G5 *Plus* for improved quality and automation for easier blood component separation

Maximised efficiency and plasma yield^{1,4}

- Integrated optical sensors in sealing heads
- Automatic air removal and weighing of plasma in a single step

Shortened separation time^{2,5,6,10}

- Simultaneous processing of program steps*
- CompoFlow® wide bore tubing

Reduced risk of RSI** and hemolysis^{3,7,8}

- Automatic opening of CompoFlow® cap

Advanced technological platform

- Wi-Fi network
- The CompoMat® G5 *Plus* and the CompoMaster® Net are part of the CompoMation Data Management System

Optimised standardization^{1,2}

- Reproducible separation on CompoMat® G5 *Plus*
- Sensor controlled priming of in-line filters

Flexibility at work

- Works with all known blood bag types in the market
- Flexible for all component preparation methods (e.g., Top and Bottom, conventional systems, platelet-rich plasma, cord blood) because of using a system with upper and lower press

* Blood component process changes and validations and notification of changes to your local regulatory agencies are at the discretion of the blood center.

** Repetitive Strain injury.

CompoMat® G5 Plus Automated blood component separator

Ordering Information

For more information such as literature, technical details and working procedures, please contact your local sales representative.

REFERENCES:

1. I.J. Bontekoe et al. Separation of centrifuged whole blood and pooled buffy coats using the new CompoMat® G5: 3 years experience. *Vox Sanguinis* (2014); 107(2): 140-7
2. K. Serrano et al. Performance characteristics of a novel blood bag in-line closure device and subsequent product quality assessment. *Transfusion* (2010); 50(10): 2240-8
3. A. Agildere et al. (SP150) Performance of the New separator Compomat® G5. *Transfusion* (2009); 49: 110A
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7. D. Devine et al. (P-431) Performance characteristics of CompoFlow®, a novel blood bag in-line closure device, and subsequent product quality assessment. *Vox Sanguinis* (2009); 96 (Suppl. 1): 247
8. W. Boecker et al. (P 3.21) Development of a new Closure Device Concept to optimize workflow, workload and product quality in blood component processing. *Transfusion Med Hemother* (2009); 36 (Suppl. 1): 37
9. Sanquin Research. Department of Blood Cell Research
10. Fresenius Kabi internal validation data

Process efficiency to help you achieve more

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