

The Prismaflex[®] system

Tailor your platform to your patient needs



The flexible system
for continuous extracorporeal
blood therapies

 **GAMBRO[®]**

The Prismaflex[®] system

A versatile platform for intensive care blood purification therapies

Gambro has specifically designed the Prismaflex system to meet the stringent demands placed on blood purification therapies in intensive care units. Simple to use, reliable and safe, the Prismaflex system delivers a full choice of therapies adapted to individual patient needs.



- **Freedom of choice:** a single system for all intensive care therapies including CRRT, hemoperfusion (HP) and therapeutic plasma exchange (TPE), compatible with a wide range of membranes adapted to individual patient needs
- **Flexibility in therapy delivery:** individually designed therapies suited to your patients' needs
- **Ease of use:** self-explanatory interactive user interface, user-friendly technology, and ergonomic handling
- **Patient safety:** manufactured to the highest safety standards, the system ensures safe and reliable treatments



You can also enhance the basic capabilities of the Prismaflex system by enabling Prismaflex eXeed™ software, and get even more therapeutical options:

- CRRT for low body weight patients (lower limit 8 kg) with the Prismaflex HF20 set
- Automated citrate dose delivery capability for regional anticoagulation
- oXiris® and septeX® innovative membranes



More therapeutic flexibility for optimal patient treatment

Designed with flexibility to meet your patient's specific needs, the Prismaflex system delivers the best possible treatment options for intensive care blood purification therapies.

Freedom of choice: one platform for all therapies

The Prismaflex system gives you a full choice of therapies:

- CRRT (SCUF, CVWH, CVVHD, CVVHDF)
- Therapeutic plasma exchange*
- Hemoperfusion*

Enhanced patient prescription and treatment flexibility

The system design gives you greater flexibility for both prescription and treatment. Indeed multiple fluid therapeutic combinations, and optimum prescribed dose delivery, can be achieved thanks to a high-flow-rate blood pump and four high-flow-rate fluid pumps. Moreover, the Prismaflex system offers a very convenient and easy management of pre- and post-dilution mixing points with two integrated pinch clamps.

Did you also know that every CRRT set configuration can be used to perform all modalities (SCUF, CVWH/HD/HDF) in pre- and/or post-dilution modes? This allows a change of modality as well as of pre- and post-infusion during treatment, using the same set thereby reducing operator intervention.

Integrated design for anticoagulation management

Several built-in features provide effective anticoagulation management:

- Syringe pump for systemic anticoagulation
- Citrate regional anticoagulation capability with the pre-blood pump
 - For all CRRT modalities
 - No limitations in citrate protocols
 - Automated citrate dose delivery capability by optimizing your Prismaflex system with Prismaflex eXeed software*
- AN 69® ST membrane that prevents initial contact phase activation and thus thrombin formation

Evolutionary

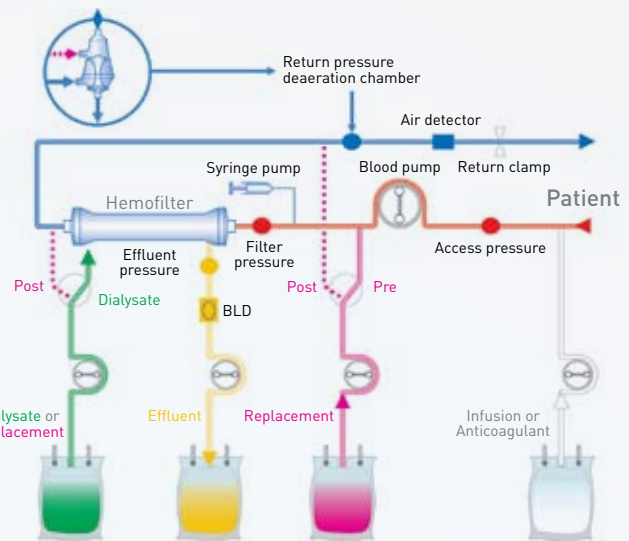
The Prismaflex system can be upgraded with Prismaflex eXeed software, and any future software, providing the opportunity to always work with the most up-to-date blood purification technologies and therapies.



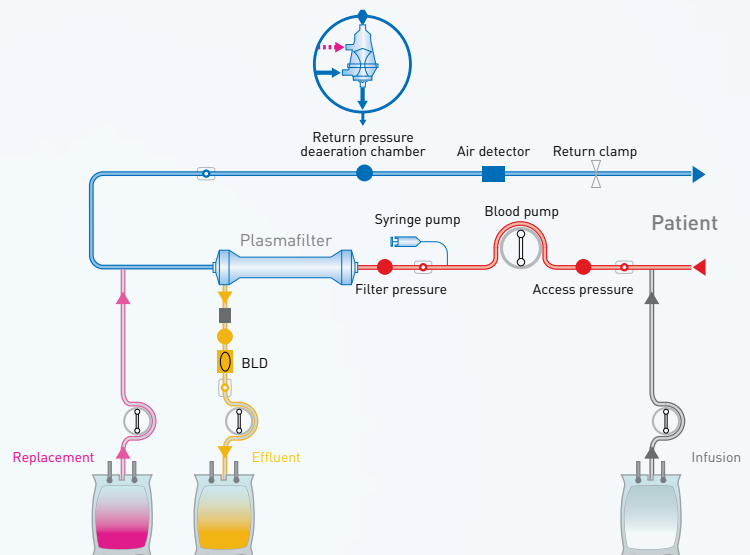
* For detailed information, please refer to the specific therapy brochure, or ask your local Gambro sales rep

Prismaflex®
blood and
fluid circuits

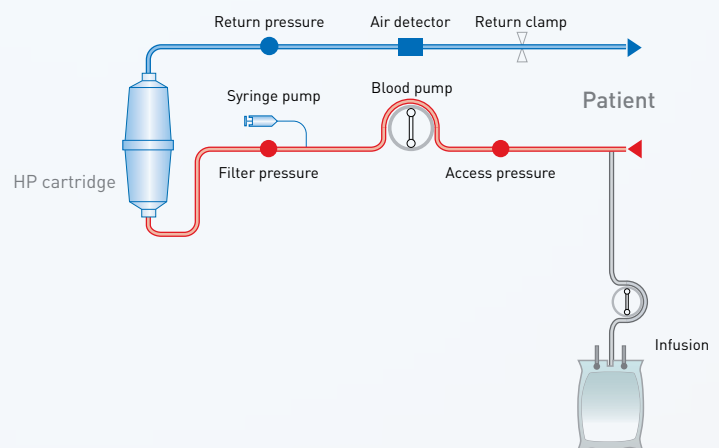
CRRT



TPE



HP



A wide range of membranes adapted to individual patient needs

With the Prismaflex system, each patient can benefit from a dedicated set adapted to prescription needs.

More freedom in prescription of CRRT

The Prismaflex system offers three types of membrane for CRRT (AN 69, AN 69 ST and PAES) with three different surface areas for each membrane.

Therapeutic plasma exchange and hemoperfusion*

The Prismaflex system can fulfill the needs of both adults and children for therapeutic plasma exchange and hemoperfusion, since it is compatible with two different sizes of membrane surface area and cartridge.

You can go even further in your patient care by enabling the Prismaflex eXeed software with additional therapeutical options:

A unique set for the CRRT indications of low body weight patients*

The Prismaflex HF20 set has been specially designed for the treatment of low body weight patients in CRRT. It offers a very low extracorporeal blood volume, and allows the treatment of patients weighing as little as eight kilos, with all CRRT modalities.

Innovative membranes for new possibilities in blood purification*

- oXiris—a Prismaflex set with unique membrane ability to adsorb and remove endotoxins
- septeX—a Prismaflex set featuring a proprietary Gambro high cut-off membrane technology, able to remove and reduce plasma levels of high molecular weight toxins (e.g. cytokines)



* For detailed information, please refer to the specific therapy brochure, or ask your local Gambro sales rep



Prismaflex® disposable sets			
Model	Type of membrane	Filter surface area	Application
Prismaflex M60	AN 69	0.6 m ²	CRRT above 11 kg
Prismaflex M100	AN 69	0.9 m ²	CRRT incl. high flow above 30 kg
Prismaflex M150	AN 69	1.5 m ²	CRRT incl. high flow above 30 kg
Prismaflex ST60	AN 69 ST	0.6 m ²	CRRT above 11 kg
Prismaflex ST100	AN 69 ST	0.9 m ²	CRRT incl. high flow above 30 kg
Prismaflex ST150	AN 69 ST	1.5 m ²	CRRT incl. high flow above 30 kg
Prismaflex HF20	PAES	0.2 m ²	CRRT above 8 kg
Prismaflex HF1000	PAES	1.1 m ²	CRRT incl. high flow above 30 kg
Prismaflex HF1400	PAES	1.4 m ²	CRRT incl. high flow above 30 kg
Prismaflex oXiris	Surface-treated and heparin-grafted membrane	1.5 m ²	CRRT above 30 kg
Prismaflex septeX	High cut-off PAES membrane	1.1 m ²	CVHHD with removal of high molecular weight solutes (up to 45 kDa)
Prismaflex TPE1000	Polypropylene	0.15 m ²	TPE above 9 kg
Prismaflex TPE2000	Polypropylene	0.35 m ²	TPE—adults
Prismaflex Adsorba 150 kit	Coated activated charcoal column	-	Hemoperfusion
Prismaflex Adsorba 300 kit	Coated activated charcoal column	-	Hemoperfusion

More time for patients

Every component of the Prismaflex system is designed for convenient operation and usability. This reduces stress and workload freeing up more time to focus on patient care.

Quick and easy to use

The Prismaflex system incorporates a 12-inch color touch screen with an intuitive user interface. This provides constant monitoring of prescription delivery thanks to the clear display of all necessary parameters on the status screen.

Step-by-step instructions on screen make set-up easy. Each step is accompanied by an illustration with color codes matching the color-coded hemofilter sets. Any prescription change can easily be made with clear accessible softkeys.

Automated set loading and recognition

In addition to the instructions on the screen, the Prismaflex sets incorporate pre-connected lines, and the Prismaflex system automatically loads all pump segments for quick and complete automatic priming of the circuit. The four high precision scales are also ergonomically designed to facilitate bag handling. All this helps greatly simplify the installation and preparation of the machine.

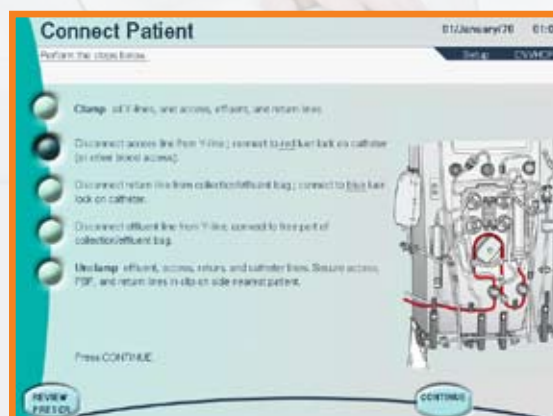
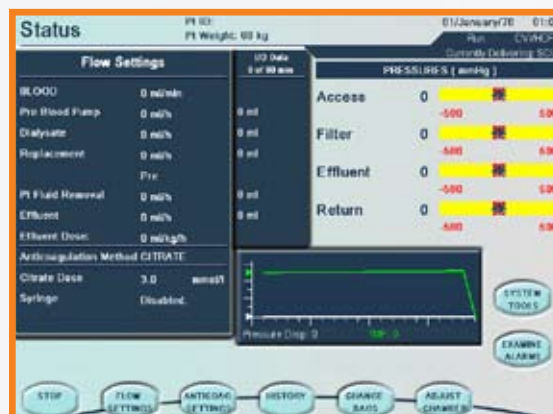


Less intervention required

When placed on the system, the Prismaflex machine automatically detects the filter set through a barcode identification. This generates automatic setting of customized default values specific to the disposable set, eliminating the need for manual adjustments.

Similarly, a smart alarm system with the ability to analyze—and in many cases self-correct—problems minimizes the number of manual interventions required.





Designed with patient safety in mind

Manufactured to meet the highest medical device safety standards, the Prismaflex system delivers safe and reliable therapy treatments.

Fluid balance accuracy and safety alarms

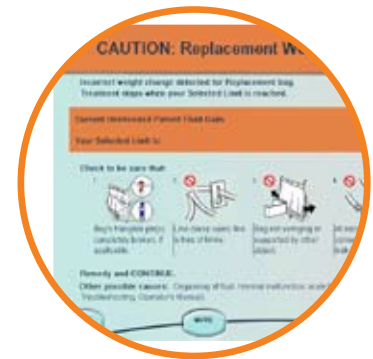
Ensuring the utmost safety, pumps and scales are highly accurate with continuous monitoring of the fluid balance management during treatment. Safety alarms are activated each time a deviation from normal parameters is detected.

Low extracorporeal blood volume and reduced circuit clotting

Including a small deaeration chamber with semi-automatic blood level adjustment and no air/blood interface, this unique air management minimizes the extracorporeal blood volume. In addition, the unique vortex shape of the integrated deaeration chamber allows safe air bubble elimination, minimizing circuit clotting.

Risk prevention

- An integrated barcode reader identifies the set type and number, leaving no room for error in set choice, and also allowing the generation of customized safe default values
- Preconnected sets eliminate error in line connection and reduce the risk of contamination
- An integrated discharger ring reduces ECG interference due to roller pumps





Partners in care

... David, Ellen, Tom, Enrico, Beatriz. They are just a handful of the hundreds of thousands of men, women and children around the world who everyday rely on our products and your care to survive kidney or liver conditions and enjoy a better life. Every step we take together, every improvement in care we make, touches lives and provides new hope to José, Xiuxiu, Vladimir, Fred, Jamila ...

Gambro—the pioneer and leading innovator in dialysis therapy passionately committed to promoting life by advancing products, services and customer partnership within renal and hepatic care.

Contact us at *partner@gambro.com*

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