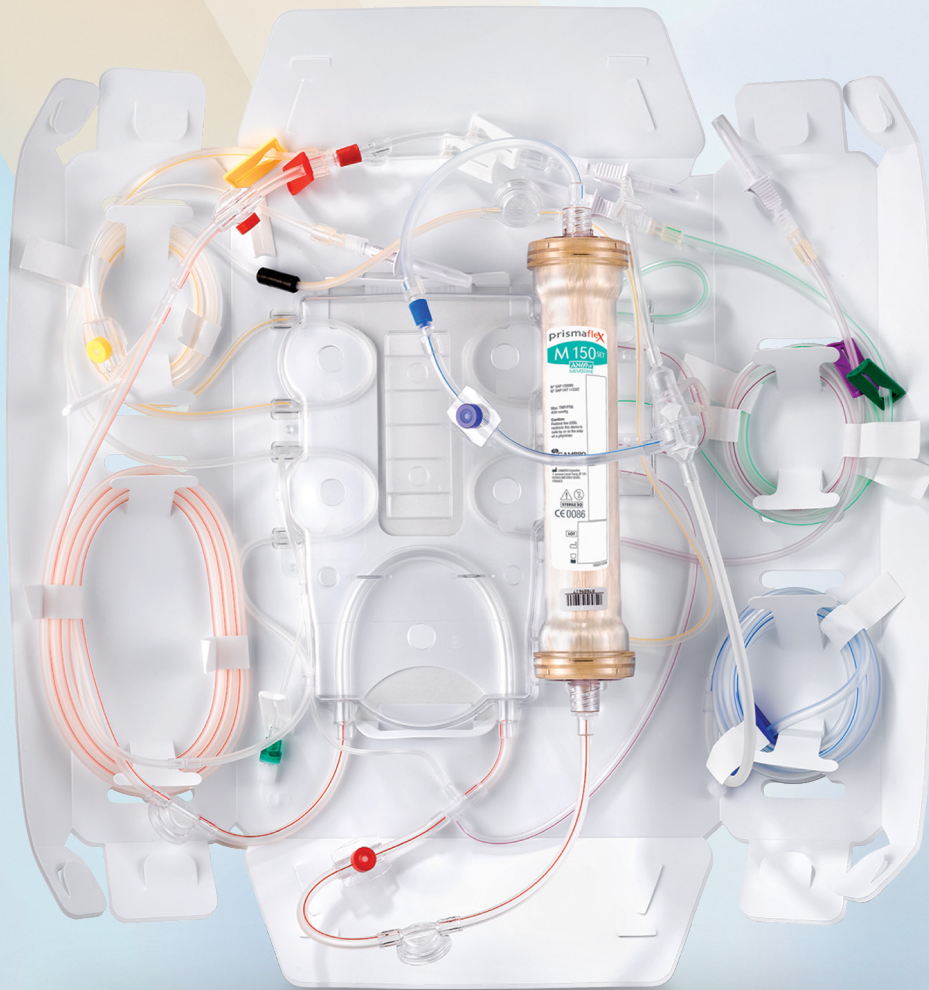


## Prismaflex sets with the AN 69 membrane for CRRT

Prismaflex M60, M100, M150 sets



POWERED BY  
**prismaflex**

# Prismaflex M60 set / M100 set / M150 set

EUMP/MG19/15-0001(1) 01/2016

The **Prismaflex** set is indicated for use only with the **Prismaflex** Control Unit in providing continuous fluid management and renal replacement therapies. The system is intended for patients who have acute renal failure, fluid overload, or both. This set is intended for use in the following veno-venous therapies: SCUF, CVVH, CVVHD, CVVHDF.

| General Data                                                                  |                       |                        |                        |
|-------------------------------------------------------------------------------|-----------------------|------------------------|------------------------|
|                                                                               | Prismaflex<br>M60 set | Prismaflex<br>M100 set | Prismaflex<br>M150 set |
| Weight                                                                        | 780 g                 | 800 g                  | 860 g                  |
| Overall dimensions                                                            | 27 x 22 x 9 cm        | 27 x 22 x 9 cm         | 27 x 22 x 9 cm         |
| Blood volume in set ± 10 %                                                    | 93 ml                 | 152 ml                 | 189 ml                 |
| Minimal patient weight                                                        | 11 kg                 | 30 kg                  | 30 kg                  |
| Materials                                                                     |                       |                        |                        |
| AN 69 HF hollow fiber: Acrylonitrile and sodium methallyl sulfonate copolymer |                       |                        |                        |
| Filter housing and headers: Polycarbonate                                     |                       |                        |                        |
| Filter potting compound: Polyurethane                                         |                       |                        |                        |
| Tubing material: Plasticized polyvinyl chloride (PVC)                         |                       |                        |                        |
| Cartridge: PETG                                                               |                       |                        |                        |
| Sterilization mode: EtO (ethylene oxide)                                      |                       |                        |                        |
| Filter operating specifications                                               |                       |                        |                        |
| Maximum TMP* (mmHg/kPa)                                                       |                       | 450/60                 |                        |
| Maximum blood pressure (mmHg/kPa)                                             |                       | 500/66.6               |                        |
| Range of blood flow rate:                                                     |                       |                        |                        |
| <b>Prismaflex</b> M60 set: 50–180 ml/min                                      |                       |                        |                        |
| <b>Prismaflex</b> M100 set: 75–400 ml/min                                     |                       |                        |                        |
| <b>Prismaflex</b> M150 set: 100–450 ml/min                                    |                       |                        |                        |
| Filter data                                                                   |                       |                        |                        |
| Nominal physical characteristics                                              |                       |                        |                        |
| Effective surface area:                                                       |                       |                        |                        |
| <b>Prismaflex</b> M60 set: 0.6 m²                                             |                       |                        |                        |
| <b>Prismaflex</b> M100 set: 0.9 m²                                            |                       |                        |                        |
| <b>Prismaflex</b> M150 set: 1.5 m²                                            |                       |                        |                        |
| Fiber internal diameter (wet)                                                 |                       | 240 µm                 |                        |
| Fiber wall thickness                                                          |                       | 50 µm                  |                        |

## In Vitro Performances

Blood priming volume in filter ±10%

**Prismaflex** M60 set: 42 ml  
**Prismaflex** M100 set: 66 ml  
**Prismaflex** M150 set: 105 ml

Blood pressure drop (in post dilution mode)

(Bovine blood, Hematocrit 32%, Pc\*\*\* = 60 g/l, T = 37°C)

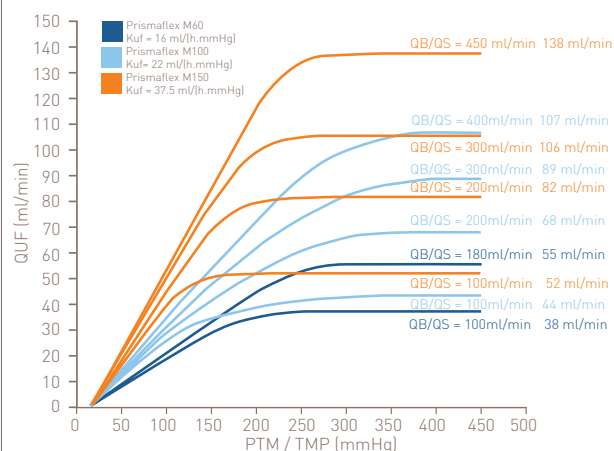
|                                                               | Prismaflex M60 set | Prismaflex M100 set | Prismaflex M150 set |
|---------------------------------------------------------------|--------------------|---------------------|---------------------|
| Q <sub>B</sub> ** = 100 ml/min - Q <sub>UF</sub> **** = 1 l/h | 47 mmHg            | 31 mmHg             | 20 mmHg             |
| Q <sub>B</sub> = 180 ml/min - Q <sub>UF</sub> = 2 l/h         | 91 mmHg            | 60 mmHg             | —                   |
| Q <sub>B</sub> = 250 ml/min - Q <sub>UF</sub> = 2 l/h         | —                  | 73 mmHg             | 51 mmHg             |
| Q <sub>B</sub> = 400 ml/min - Q <sub>UF</sub> = 2 l/h         | —                  | 105 mmHg            | 64 mmHg             |
| Q <sub>B</sub> = 450 ml/min - Q <sub>UF</sub> = 2 l/h         | —                  | —                   | 70 mmHg             |

## Sieving coefficient

Q<sub>B</sub>\*\* = 100 ml/min, Q<sub>UF</sub>\*\*\*\* = 20 ml/min  
 (Bovine plasma, Pc 60 g/l, T = 37°C)  
 Urea = 1, Creatinine = 1, Vitamin B<sub>12</sub> = 1, Inulin = 0.95, Myoglobin = 0.55, Albumin <0.01

## CVVH performances

"In vitro" ultrafiltration with blood (in post-dilution)  
 (values ± 15%) (Continuous venovenous hemofiltration)  
 (Bovine blood at 37°C, Hematocrit 32%, Pc\*\*\* 60 g/l).



## CVVHD clearances

Clearances versus inlet dialysate flow rate  
 (Continuous venovenous hemodialysis) (Saline, T = 37°C).

|                                |               | Prismaflex M60 set<br>Q <sub>B</sub> <sup>**</sup> = 100 ml/min<br>Q <sub>UF</sub> <sup>****</sup> = 0 ml/min |           |         | Prismaflex M100 set<br>Q <sub>B</sub> <sup>**</sup> = 150 ml/min<br>Q <sub>UF</sub> <sup>****</sup> = 0 ml/min |           |         | Prismaflex M150 set<br>Q <sub>B</sub> <sup>**</sup> = 200 ml/min<br>Q <sub>UF</sub> <sup>****</sup> = 0 ml/min |         |           |         |          |
|--------------------------------|---------------|---------------------------------------------------------------------------------------------------------------|-----------|---------|----------------------------------------------------------------------------------------------------------------|-----------|---------|----------------------------------------------------------------------------------------------------------------|---------|-----------|---------|----------|
| QD                             | l/h<br>ml/min | 1<br>17                                                                                                       | 2.5<br>42 | 4<br>67 | 1<br>17                                                                                                        | 2.5<br>42 | 4<br>67 | 8<br>133                                                                                                       | 1<br>17 | 2.5<br>42 | 4<br>67 | 8<br>133 |
| Urea (±10%)                    |               | 17                                                                                                            | 39        | 54      | 17                                                                                                             | 41        | 63      | 95                                                                                                             | 17      | 42        | 66      | 117      |
| Vitamin B <sub>12</sub> (±20%) |               | 14                                                                                                            | 23        | 28      | 16                                                                                                             | 30        | 37      | 45                                                                                                             | 17      | 37        | 49      | 64       |
| Inulin (±20%)                  |               | 12                                                                                                            | 17        | 19      | 14                                                                                                             | 23        | 26      | 30                                                                                                             | 16      | 31        | 37      | 45       |

\*Transmembrane pressure.

\*\*Access blood flow rate.

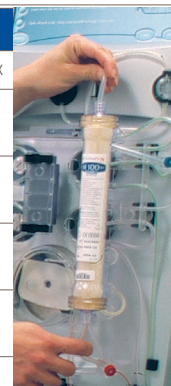
\*\*\*Protein concentration.

\*\*\*\*Ultrafiltration flow rate <sup>(1)</sup>.

<sup>(1)</sup>The ultrafiltration flow rate is the "patient fluid removal flow rate + replacement flow rate + pre-blood-pump flow rate".

## Ordering Information

|                                | Code N°                             | N° units/box             |
|--------------------------------|-------------------------------------|--------------------------|
| <b>Prismaflex</b> M60 set      | 106696                              | 4                        |
| <b>Prismaflex</b> M60 set CKT  | 115305                              | —                        |
| <b>Prismaflex</b> M100 set     | 106697                              | 4                        |
| <b>Prismaflex</b> M100 set CKT | 115306                              | —                        |
| <b>Prismaflex</b> M150 set     | 109990                              | 4                        |
| <b>Prismaflex</b> M150 set CKT | 115307                              | —                        |
| 5-liter effluent bag           | 115959 (SP414)<br>or 114423 (A6001) | 40 (SP414)<br>50 (A6001) |
| 9-liter bag effluent           | 107650 (SP418)                      | 30                       |



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