

DiaPure®

High Performance Antipyrogenic
Ultrafilter for Dialysate Solutions



DiaPure®

Biocompatibility of dialysis treatment can be affected by different parameters and between them the purity of the dialysate fluid is surely one of the most important.

As well documented, the presence of contaminants such as pyrogens, endotoxins and bacteria in the dialysate fluid, associated with those pressure conditions which can facilitate the occurrence of the well known backfiltration situations, can stimulate the patients immune system leading to complications like hemodialysis-related amyloidosis.

Furthermore, the risk of bacterial and pyrogenic contamination is greater when bicarbonate concentrate is used.

In response to the above mentioned points MEDICA developed "DiaPure®", a specific depyrogenating ultrafilter made from "MediSulfone®", the MEDICA polysulfone membrane. Positioned between the hemodialysis machine and the dialyser, DiaPure® ensures the dialysate purity, by a pyrogen removal factor of 10^5 .

Dialysate solution enters the side port of the DiaPure® unit and fills the space around the bundle of polysulfone hollow fiber.

The asymmetric nature of the MediSulfone® fiber walls maximizes absorption capability, ensuring that the solution is purified before entering the lumen of the fibers from where it flows to the hemodialyzer.

SPECIFICATIONS

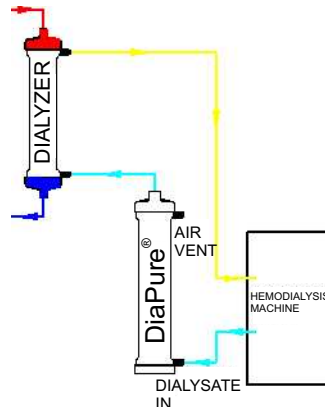
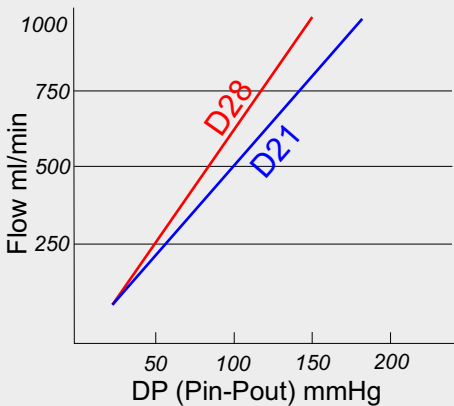
Effective membrane area: 2.1 or 2.8 m²

Average filtration rate/m²: 2.4 ml/min mmHg m²

Endotoxin retention capacity: $\geq 10^5$

Bacteria retention capacity: $\geq 10^{10}$

PRESSURE DROP ACROSS DiaPure®



PRODUCT CODES

M03124: DiaPure® 21 4 Hansen (3 open + 1 closed) - ETO sterile

M03239: DiaPure® 21 4 Hansen (4 open) - ETO sterile

M03820: DiaPure® 21 2 Hansen (1 closed) + twist lock - ETO sterile

M03112: DiaPure® 28 3 Hansen ETO sterile

M03719: DiaPure® 28 4 Hansen (3 open + 1 closed) - ETO sterile

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Manufactured by:

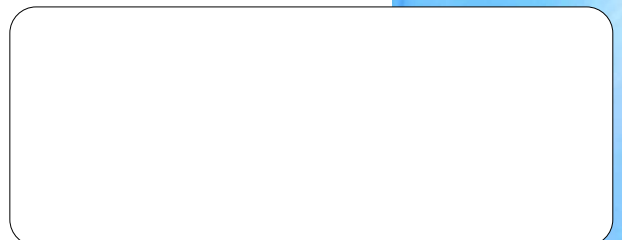
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