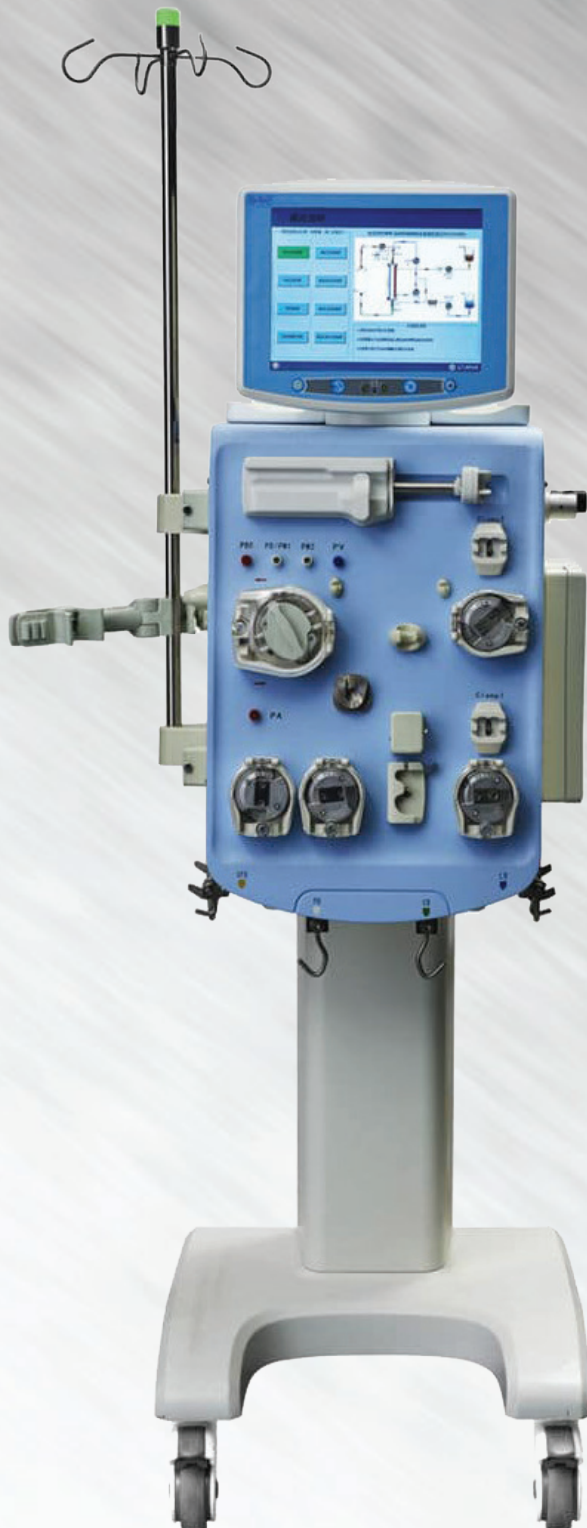




ESFL-CRRT-5000 Series

Continuous Blood
Purification Equipment



BLOOD BANK



ESFL-CRRT-5000

Continuous Blood Purification Equipment

Technical Configuration

ESFL-CRRT-5000 Series Blood Purification Equipment includes:

ESFL-CRRT-5000 (Six Pumps, Four Scales) -- Full Function Blood Purification Equipment

ESFL-CRRT-5000A (Five Pumps, Three Scales)--Professional Continuous Blood Purification Equipment

ESFL-CRRT-5000B (Four Pumps, Double Scales) -- Continuous Renal Replacement Treatment Equipment (CRRT)

ESFL-CRRT-5000 Series Blood Purification Equipment have more than 20 kinds of treatment modes, including CRRT, DFPP, CPFA Etc. And can be used for the blood purification treatment of nephrology, ICU, gastroenterology, hepatology .

Type A Tubing--Continuous Renal Replacement Treatment (CRRT)

PA-CVVHDF

PA-CVVHF

CVVHDF

CVVHDF+PE

RCA-CVVHDF

RCA-PA-CVVHF

AB-CVVHDF

AB-PA-CVVHF

Type B—Treatment of Artificial Liver and Plasma Treatment Etc

DFPP

PE

PA

SCUF

HP

CPFA, PA+HDF

CPFA, PA+HD

PDF

SPAD

RAD

FPSA

MARS



ESFL-CRRT-5000

Continuous Blood Purification Equipment

Treatment Interface

Comprehensive safety monitoring of AP, VP, TMP, temperature, coagulation, blood leakage, air and blood recognition.

High precision air monitoring can detect the bubbles $> 0.01\text{mL}$

High sensitive blood leakage monitoring can detect the blood $\geq 2\text{mL}$ (HCT 32%) in every liter of fluid.

The Technique of Automatic Citrate Anticoagulation

The Technique of Automatic Citrate Anticoagulation, Push the citrate sodium and calcium solution proportionally to achieve the safe anticoagulant treatment and solve the bleeding problem during the blood purification treatment. (RCA-PA-CVVHF)

Input the Substitution By double Channels

Input A fluid and B fluid through the double channels proportionally, which solve the problem of carbonate precipitation during the treatment of CRRT, so that avoid the risk of mixing the substitution fluid manually and reduce the workload of medical staff. (AB-CVVHDF)

Friendly operation

It is easy to install the tubes, all the installation process is guided by the animation. Automatic prime degas and tube detection reduce the operator's workload and ensure the safety of treatment.

Multiple treatments can be converted by one button, which can apply to various clinical demands conveniently by controlling automatically the status of tube position clamp.

Operating system has a rotatable touch screen and a perfect graphical guidance function.

The design of this machine is fully considered by the ergonomics, the machine is easy to move and safe, better for bedside treatment.

Venous level detector can be adjusted automatically to avoid the blood contact with air and reduce the risk of pollution.

Technical parameter

Power Supply: AC110~220V, 50~60Hz

The battery can supply power in 40 min after electricity is off

Port: USB, Ethernet, RS232/RS485



ESFL-CRRT-5000

Continuous Blood Purification Equipment

Technical parameters

Four High Precision Scales

Substitution Scale: 0-30KG, Accuracy: $\pm 5g$

Blood Plasma Scale: 0-12KG, Accuracy: $\pm 2g$

Waste Scale: 0-30KG, Accuracy: $\pm 5g$

Other Fluid Scale: 0-12KG, Accuracy: $\pm 2g$

Safety Monitoring

Air Monitor: Bubble $\geq 0.01\text{mL}$ can be detected

Blood Leakage : Blood $\geq 2\text{mL}$ (HCT32%) can be detected

Blood Detection: Light Detection

Fluid Warming

Temperature Range: 30~40°C

Temperature Control Accuracy : $\pm 1^\circ\text{C}$

Dehydration Control and Fluid Balance Control

Dehydration Range: 0~3000mL/h

Dehydration Error: $\pm 100\text{mL/h}$

Cumulative Error : $\pm 50\text{mL}$

Fluid Balance Error : $\pm 10\text{mL} / \text{h}$

Fluid Flow Rate Range

Blood Flow : 0~600ml/min

Pre-dilution Flow : 0~200ml/min

Post-dilution Flow : 0~200ml/min

Dialyzate Flow : 0~200ml/min

UF Rate Flow : 0~250ml/ min

Range of Pressure Monitoring

AP : (-500~+700) mmHg, Accuracy: $\pm 5\text{mmHg}$

PBE : (-500~+700)mmHg, Accuracy: $\pm 5\text{mmHg}$

VP: (-500~+700)mmHg, Accuracy: $\pm 5\text{mmHg}$

PM1: (-500~+700)mmHg, Accuracy: $\pm 5\text{mmHg}$

PM2 : (-500~+700) mmHg, Accuracy: $\pm 5\text{mmHg}$

TMP: (-500~+700) mmHg, Accuracy: $\pm 5\text{mmHg}$

Heparin Pump

Heparin Pump Flow : 0~10ml

Syringe Size: 10mL, 20mL, 30mL, 50mL

Rapid Injection Rate: (10~2000)mL/h



ESSE3 srl, Via Garibaldi 30
14022 Castelnuovo D.B. (AT)
Tel +39 011 99 27 706
Fax +39 011 99 27 506
e-mail esse3@chierinet.it
web: www.esse3.dreamgest.com

