TRANSFUSION

> Traceability

21 parameters transmitted from MACOPRESS® *Smart* to MACONET *Smart* for each separation.
These fields can be wholly managed by MACONET Smart: activation, modification of the sequence, saving route, formatting for any interfacing to management software that already exists.

The data transmitted for each separation are:

- serial number of the MACOPRESS® *Smart*;
- description of the program;
- net weight of each blood component, including whole blood;
- date and time of separation; duration of the separation;
- error code;
- operator code ID1, ID2, ID3, ID4, parameters of centrifugation or barcode and classification of the result obtained...

The MACOPRESS® *Smart*
is available with RFID (Radio Frequency Identification)
for blood bags traceability.

> Product references

MACOPRESS® *Smart*

9MPS000 Automatic blood components separator

Package references:

9MPS000B1: MP *Smart* with scale on main press
9MPS000P2: MP *Smart* with lateral press including scale
9MPS000BP2: MP *Smart* with lateral press including scale + scale extra on main press

Accessories and options:

9MPS010: MACONET *Smart* data manager
9MPS020: Additional scale for main press
9MPS030: Additional lateral press with scale
9MPS040: External scale with tray
9MPS050: Sealing handle with 2 m cable
9MPS060: CDD Barcode reader (Datalogic® Touch 65)
9MPS070: Network cable (to connect MP *Smart* to another MP *Smart*)

> Accessories available

Lateral press with scale

CCD Barcode reader

External sealing handle with cable

> Support

The MacoPharma technical and sales teams are available to ensure the implementation of the MACOPRESS® *Smart*;

The MACOPRESS® *Smart* is CE certified, Class I MDD, 93/42/EEC.

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F-59420 Mouvaux
www.macopharma.com

Distributed by:

MacoPharma

Equipment

MACOPRESS® *Smart*

MacoPharma

TRANSFUSION

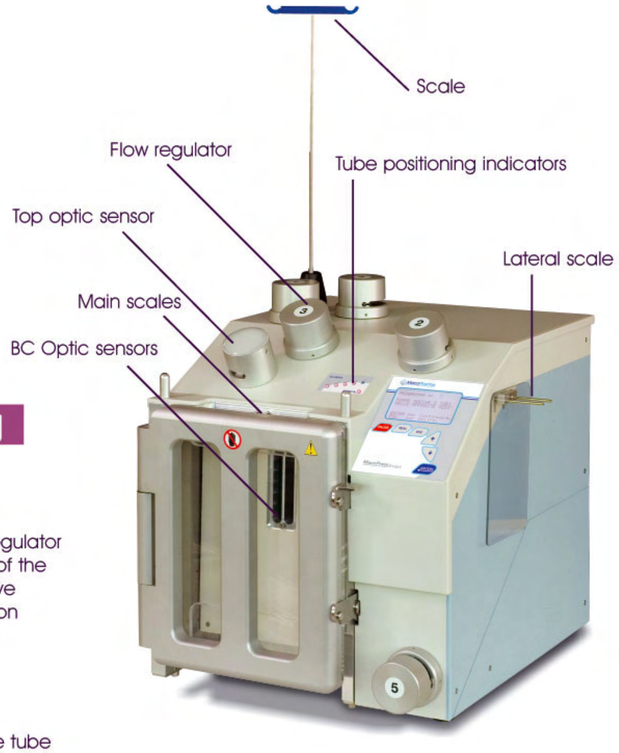
MACOPRESS® *Smart* CE

The automatic blood separator

> Principle

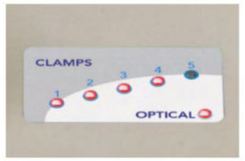
MACOPRESS® *Smart* is an automatic separator intended for the preparation of single donation blood components. It is compatible with all currently available blood bags, both Top & Top and Top & Bottom with or without in line filters.

MACOPRESS® *Smart* can operate as an independent unit or be connected to a computer for on line management.



> Quality and Safety

The optical sensors and the flow regulator ensure the high quality and purity of the blood components. All sensors have integrated an automatic calculation system of optical zero.



Correct tube-positioning indicators with an integrated online tube detection

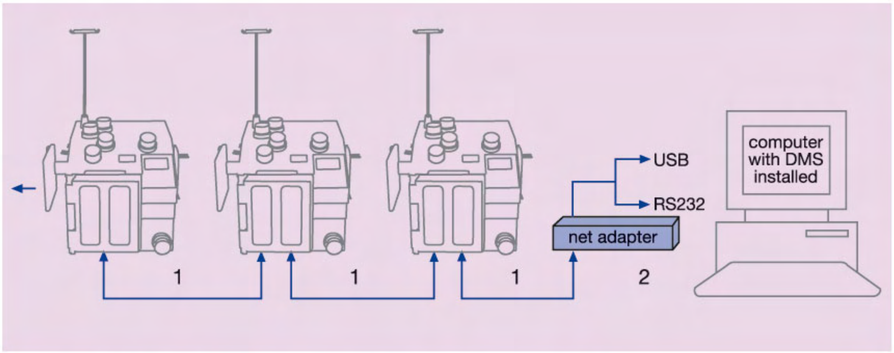
Graphic LCD display, back lit with guided menu and keyboard;
enabling modification of programs directly from the separator.

> Main Press

- Main press for electronic controls and implementation with dedicated micro-processors (no requirement of compressed air).
- Press parameter controls: speed, pressure, position and type of movement: (on parallel plane or with exclusive sloping plane).
- System for detecting and maintaining the BC layer through eight optical sensors on the press and a ninth externally, all with fully adjustable sensitivity.
- Synchronous separation of T&B bag systems.

MACONET *Smart*

MACOPRESS® *Smart* provides full and intuitive data management. Separation programs can be customized directly from the Tools menu.
If MACOPRESS® *Smart* is connected to a PC with MACONET *Smart*, data management becomes more complete and the separation process programming is simplified. If a data network is available, MACONET *Smart* enables the instrument to be managed on line. MACONET *Smart* offers bi-directional process functionality.



> Data Management

MacoNet *Smart* provides the following features:

- On-line monitoring of several MACOPRESS ® *Smart*;
- Flexible creation or modification of the separation programs and transfer;
- Update the system software [firmware];
- Carry out quality control on line according to SOP (set up by the user) on the blood components produced with a non-conformity print report;
- Import the parameters used for centrifugation;
- Partial reset in the event of an erroneous reading of the barcode, avoiding the loss of data;
- Automatically produce tables, daily or weekly summaries of separation data;
- Register the data and have an automatic back-up made; Store data and create an automatic back-up;
- Export the data into programs of Excel or Word format;
- Make a complete recording of data for the whole process.

> Flexibility

- 16 pre-loaded programs with the most common procedures for extraction and the possibility of expanding up to 40.
- Programs for an automatic air removal and automatic addition of additive solution to red-cells.
- Up to five integrated scales for reading the weights of all blood components, including whole blood.
- Five programmable welding clamps for automatic or manual operation; can also be used as separate welders.

MACOPRESS *Smart*