

The aim of this unit is to distribute a solution (culture media, buffer, cell suspension etc....) by an automated way. A sequence of openings and closings pinch valves with a pilot injection of a peristaltic pump, or by pressure, allow the filling of a disposable manifold bottles or bags.

MAIN FEATURES

The system is made-up of:

Pinch valves: maximum 10, able to withstand a 0.5bar pressure. The valves dimension is different according to the volume to divide.

- Valves for tubing with 4x6mm diameter = distribution for 20L max
- Valves for tubing with 6x9mm diameter = distribution for approximately 200L

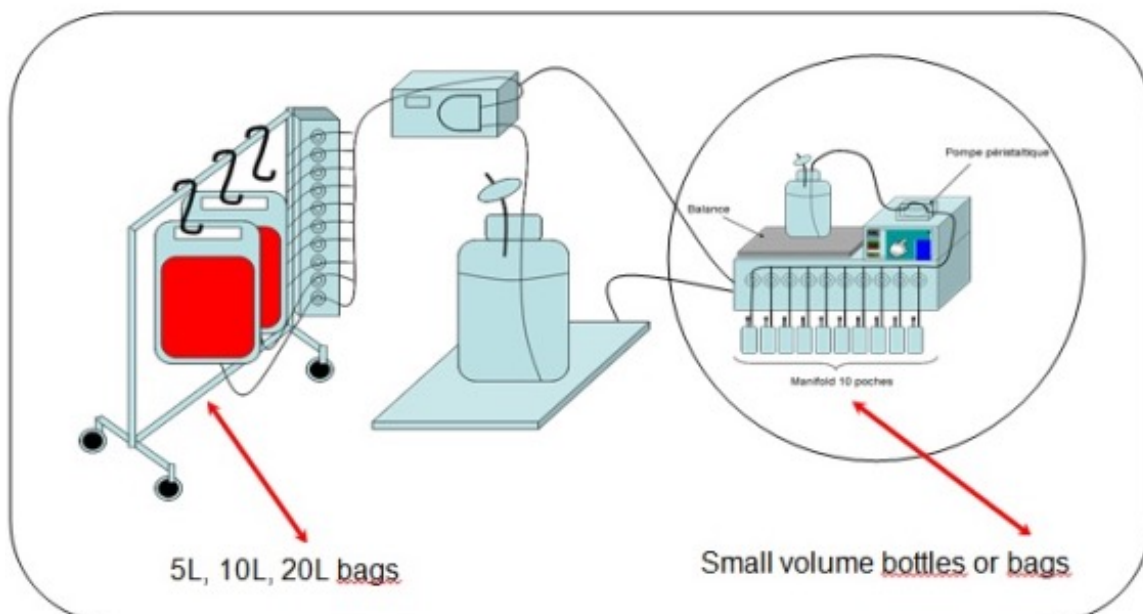
Scale: Two scales can be used, one for small filling (milligram precision) and the other one for bigger filling (gram precision).

Peristaltic pump: A small pump is integrated for small volume distribution. A second one can be connected and controlled externally for big volume distribution (for tubing 6mm ID / 10mm OD).

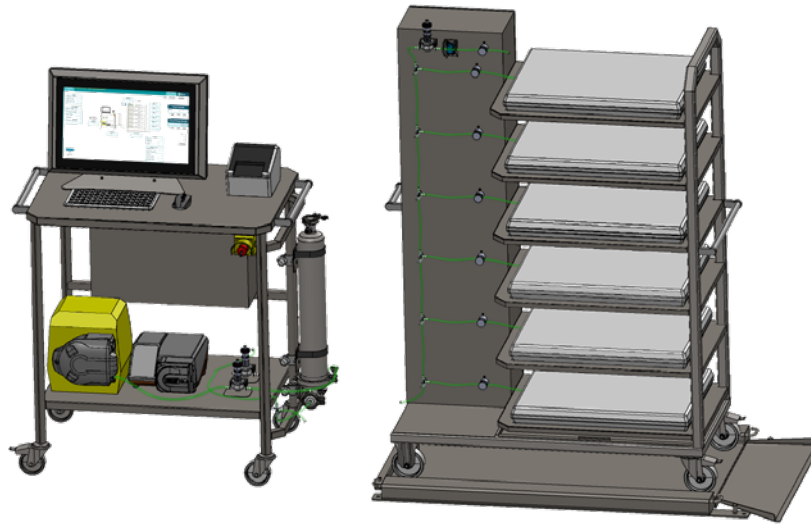
Automatism: allow the pinch valves control and the peristaltic pump control according to a calculation mode.

Touchscreen: the information is provided by the user from the touchscreen.

Printer: after each distribution, it is possible to print the adhesive labels with: nature of the product, batch number, volume of the bag or bottle, date of manufacture and expiry.



STERILE FILLING SYSTEM



C-BIO 2™ SOFTWARE

Current User: A 11/03/2021 10:21:04 01ES01 - 24 Vdc Power supply fault

GPC

R-BIO Software
11/03/2021 10:34:08

Menu

Filter

Material Code: Exempla2

Batch Number: XXXX1111

Expiration Date: 2021/03/30

Load BDS

Batch Number: XXXX1111

Product description : BDS description sample

ERP code : ErpErpErp

Quantity: 150 Kg

Storage Temperature: +2/+8°C

01PP01 Setpoint: 10.0

01PP01 7.02 l/min

01PI01 2.00 Bar

01PI02 1.49 Bar

01WT01 142.00 Kg

01XV01

01XV02

01XV03

01XV04

01XV05

01XV06

Bag 13
XXXX1111_13
0.00 / 2.00 Kg

Bag 14
XXXX1111_14
0.00 / 2.00 Kg

Bag 15
XXXX1111_15
0.00 / 2.00 Kg

Bag 16
XXXX1111_16
0.00 / 2.00 Kg

Bag 17
XXXX1111_17
0.00 / 2.00 Kg

Bag 18
XXXX1111_18
0.00 / 2.00 Kg

Flush Recipe

FLUSH : STOP

START PAUSE CANCEL

Prime/Filling Recipe

FILLING : RUN
Filling first bag

START PAUSE CANCEL

Trends : 1 2 3 4

Maintenance

Emergency Stop

24 Vdc

Pump1 Fault

Load

Bags size: 2 Kg

Quantity: 75.00

Carts: 13.00

Bags batch 1

Material Code: M11111

Material description: Mat description

Quantity: 60

Batch Number: XXXX1112

Expiration Date: 20/03/02