FLOVAC®

DISPOSABLE CONTAINERS SYSTEM FOR THE COLLECTION OF SUCTIONED FLUIDS

designed and manufactured for "high flow and high vacuum" applications in medical suction field to collect the organic fluids.

This system is the best expression of safety, practicality and simplicity of use, both for the operators and for hospital plants and environment, thanks to the use of absolutely reliable manufacturing materials. The hermetic lid sealing makes the disposal procedure particularly hygienic, simple and safe for the patient and for the staff charged to remove and handle the device.

WHY HYDROPHOBIC FILTER AND HOW DOES IT WORK?

The **FLOVAC® HYDROPHOBIC** filter is made of 3 layers having antibacterial, smoke filtration and hydrophobic functions. The filter stops the suction when wet because the fluid reaches the maximum collection level.

GELLING KIT

The gelling kit gives further safety to an highly efficient system. It is a **special absorbing powder transforming liquids in a semi-solid mass**. This grants higher safety for operators charged to clean, handle and transport potentially infected materials.

FLOVAC® LINER

The **FLOVAC® LINER** consists of a soft bag hermetically welded to a rigid lid. **LINERS** are available in 4 capacities and they work when inserted in the related PC reusable and autoclavable rigid containers.

FLOVAC® CANISTER

The **FLOVAC® CANISTER** is a complete disposable system. It consists of a single-use rigid canister coupled with a lid hermetically fixed on it thanks to spring clips preventing any accidental opening.

For any additional information, refer to the specific product catalogues.

flow-meter™
ENGINEERING REVOLUTION IN MEDICAL TECHNOLOGY

COMPANY INFO: Flow Meter Spa - Via del Lino, 6 - 24040 Levate - Bergamo - ITALY
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to gel

practicality **safety** *simplicity*

The gelling kit allows to absorb and incorporate all liquids present in the **FLOVAC®** container and to prevent, in such a way, dangerous contamination risks for the hospital staff in case of biological fluids accidental leakage.

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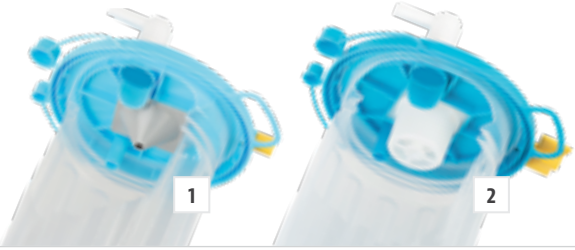
FLOVAC®

Disposable containers



The FLOVAC® disposable containers are used for the collection of organic fluids in suction and have been designed and manufactured for applications of "high flow and high vacuum" (EN ISO 10079-1 and EN ISO 10079-3).

This system mixes simplicity and practicality, guaranteeing great safety from contamination for operators, for the suction plants and for the environment, thanks to the use of the latest manufacturing technologies and of absolutely reliable materials.

THE HYDROPHOBIC FILTER

The **FLOVAC®** system is the result of twenty years of **flow-meter™** experience in the production of disposable devices for the collection of suctioned fluids and get the most important characteristics in its special hydrophobic filter. This filter protects the vacuum generating devices or the centralized suction plant from contamination, as it performs the function of overflow valve, turning off the suction when wetted by the fluid reaching the maximum level of container filling.

THE MECHANICAL VALVE

To complete the **FLOVAC®** range **flow-meter™** has designed the configuration with mechanical overflow valve and antibacterial filter, available both for **LINER** and for **CANISTER** versions.

Main **information**

The containers are made in four sizes, to be used according to the effective requirements about the volumes expected to be suctioned, and they are manufactured in two distinct versions:

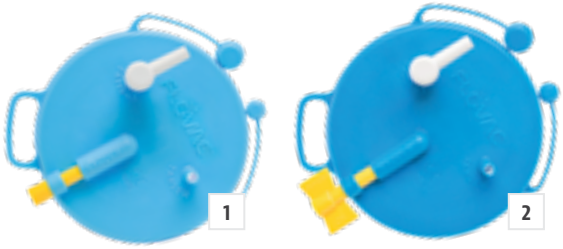
LINER VERSION

Soft bag material: LDPE (low density polyethylene), individually packed in blisters.
Available capacities: 1.0 L - 1.5 L - 2.0 L - 3.0 L

CANISTER VERSION

Jar material: High Clarity Polypropylene connection between jar and lid through pressure seal with permanent fastening spring clips.
Available capacities: 0.5 L - 1.0 L - 2.0 L - 3.0 L

Both versions show differentiated connecting ports for connecting the collection container with the suction line, with the patient and, if necessary, with another container to increase the suctioned fluid capacity (**TANDEM** port).



LID MATERIAL	HDPE (High Density Polyethylene)
OVERFLOW VALVE	Hydrophobic filter with antibacterial, antiviral and NO-SMOKE® protection or mechanical overflow valve with antibacterial filter
VACUUM PORT	conic connector, female
PATIENT PORT	Ø 14.0 ÷ 15.5 mm (Ø 8.0 ÷ 9.2 mm with elbow connector)
TANDEM PORT	Ø 8.0 ÷ 9.2 mm
MAXIMUM SUCTION DEPRESSION	-950 mbar/5 min.
MAXIMUM GRADUATION INTERVAL	50 ml
PATIENT HOSE SIZES	inner Ø ≥ 6 mm - L max = 2.5 m
VACUUM HOSE SIZES	inner Ø ≥ 6 mm - L max = 1.8 m
HYDROPHOBIC FILTER WITH ANTIBACTERIAL, ANTIVIRAL AND NO-SMOKE® PROTECTION - MAIN CHARACTERISTICS	
BACTERIAL AND VIRAL FILTRATION EFFICIENCY	>99.99995%
MEMBRANE	100% expanded PTFE
PREFILTER	micro fiberglass HEPA Air Filter

For any additional information, refer to the specific product catalogues.

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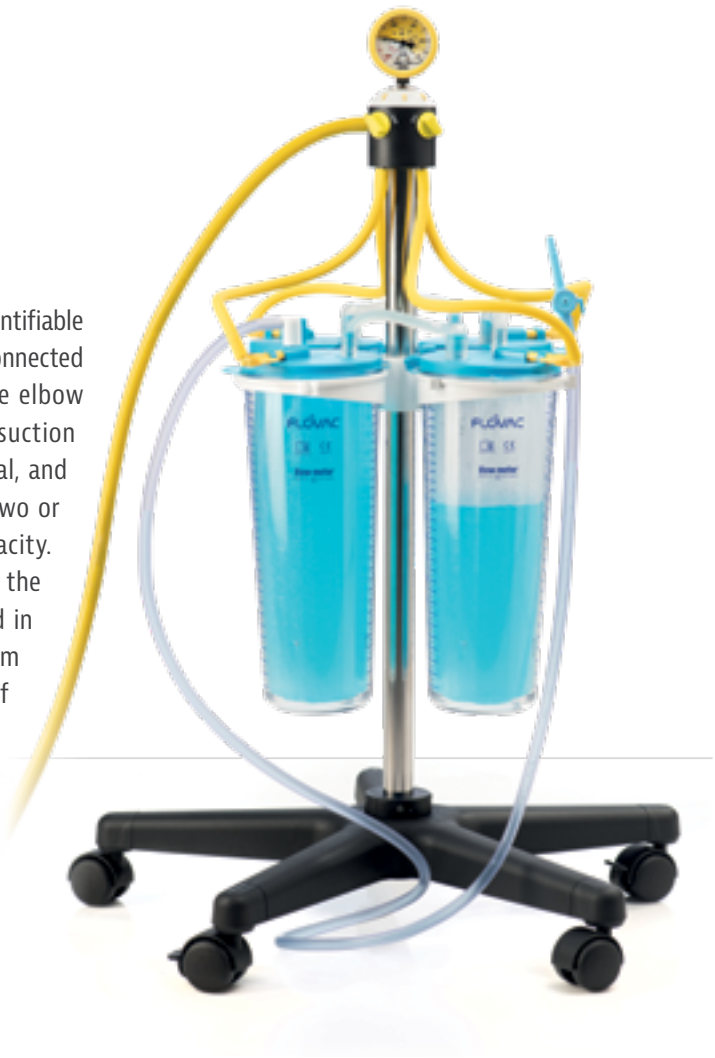
1 **Hydrophobic** filter.

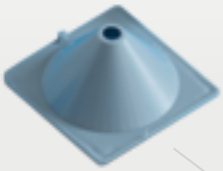
2 **Mechanical** valve.

THE LID

The lid keeps space for all the connection ports, easily identifiable and not exchangeable each other: the **VACUUM** port, connected to the suction, the **PATIENT** port having a removable elbow connector to get larger port diameter and allowing suction of fluids containing also small parts of organic material, and the **TANDEM** port, for the connection in cascade of two or more identical devices to increase the collection capacity. Two plugs placed on the lid allow the hermetic seal of the **PATIENT** and **TANDEM** ports, while, always integrated in the cover, a handle facilitates the **LINER** removal from the support jar, as well as simplifies the transport of the container. The lid hermetic seal makes the use and disposal particularly hygienic, simple and safe, both for the patient and for the staff involved with the removal and replacement of the **LINER**s and **CANISTER**s. **LINER** system is equipped with anti-reflux system to prevent patient and operator to come in touch with contaminated fluids in case of spillage through the ports happening during the hose disconnection. The **FLOVAC®** system includes a wide and complete range of accessories.



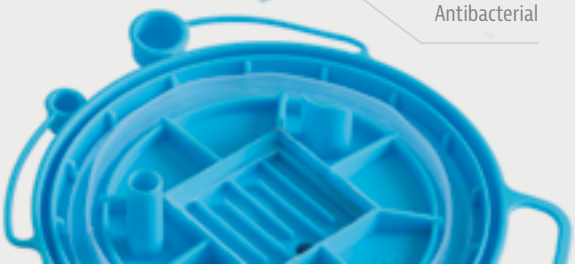
The **FLOVAC® HYDROPHOBIC** filter system is composed by 3 components:



Anti-splash protection

Microfiberglass HEPA pre-filter

100% expanded PTFE membrane Hydrophobic and Antibacterial



1 Pre-filled **LINER FLOVAC®** with gelling powder bag (on request)

2 Gelling powder bag to be inserted by operator for **CANISTER FLOVAC®** only (on request)

3 Bottles 500 g with funnel/doser to be poured into **LINER**s and **CANISTER**s after use and before disposal