

# 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 10079-3).

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 containers are made in three sizes (1, 2, and 3 liters), 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** | made by a reusable support rigid container and a disposable collection system, consisting of a resistant bag hermetically welded to the cover;

**CANISTER VERSION** | fully disposable system consisting of a rigid container and a lid to be hermetically coupled before the start of the suction.

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). 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 **GORE® Microfiltration Media for Surgical Suction**. 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. 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. This construction has its best use in applications when high suction flows are required and in conditions of abundant nebulisation of the suctioned fluids. 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 **LINERS** and **CANISTERS**. The **FLOVAC®** system includes a wide and complete range of accessories.

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



- 01 FLOVAC® LINER  
SOFT BAG MATERIAL: LDPE (LOW DENSITY POLYETHYLENE), INDIVIDUALLY PACKED IN BLISTERS
- 02 FLOVAC® CANISTER  
JAR MATERIAL: HIGH CLARITY POLYPROPYLENE  
CONNECTION BETWEEN JAR AND LID THROUGH PRESSURE SEAL WITH PERMANENT FASTENING SPRING CLIPS
- 03 FLOVAC® MECHANICAL VALVE (OPTIONAL)  
DISPOSABLE CONTAINERS FIT IN THE LID A FLOATING VALVE WITH INTEGRATED ANTIBACTERIAL FILTER TO PROTECT THE PLANT FROM ANY CONTAMINATION



**MEMBRANE FILTER** | The filter **GORE® Microfiltration Media for Surgical Suction** is the best answer to grant hygiene and safety for patients and operators in the medical suction field. The membrane filter stops the suction when the container is full of suctioned fluids, assuring a bacterial protection to the hospital vacuum plant, with an absolute efficiency.

**GORE® Microfiltration Media for Surgical Suction** is a trademark of W. L. Gore & Associates, Inc.

**GELLING KIT** | The gelling kit gives further safety to a highly efficient system. It is an absorbing powder that, besides an efficient germicidal action, transforms liquids in a semi-solid mass, granting higher safety for operators charged to clean, handle, transport and dispose potentially infected materials. This process 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.

The gelling powder is supplied in the following configurations:

- In water-soluble pouches prefilled into the LINER version with specific part number.
- In water-soluble pouches supplied in boxes of 50 pieces to be inserted into the CANISTER version before use.
- In 500 g. bottles (boxes of 10 pcs.) with funnel/doser to be poured into LINER or CANISTER before the disposal.



#### TECHNICAL SPECIFICATIONS | FLOVAC®

<b>LID MATERIAL</b>	HDPE (High Density Polyethylene)
<b>OVERFLOW VALVE</b>	Hydrophobic filter GORE® Microfiltration Media for Surgical Suction with antibacterial, antiviral and NO-SMOKE® protection or mechanical overflow valve with antibacterial filter
<b>VACUUM PORT</b>	conic connector, female
<b>PATIENT PORT</b>	Ø 14.0 ÷ 15.5 mm (Ø 8.0 ÷ 9.2 mm with elbow connector)
<b>TANDEM PORT</b>	Ø 8.0 ÷ 9.2 mm
<b>MAXIMUM SUCTION VALUE</b>	-750 mbar (-570 mm Hg)
<b>MAXIMUM FLOW VALUE</b>	42 LPM under recommended conditions
<b>MAXIMUM GRADUATION INTERVAL</b>	50 ml
<b>PATIENT HOSE SIZES</b>	inner Ø ≥ 6 mm - L max = 2.5 m
<b>VACUUM HOSE SIZES</b>	inner Ø ≥ 6 mm - L max = 1.8 m

#### HYDROPHOBIC FILTER GORE® MICROFILTRATION MEDIA FOR SURGICAL SUCTION

WITH ANTIBACTERIAL, ANTIVIRAL AND NO-SMOKE® PROTECTION - MAIN CHARACTERISTICS

<b>FILTRATION EFFICIENCY (TYPICAL)</b>	>99.99995% with particle size of 0.1µ
<b>MEMBRANE</b>	100% expanded PTFE GORE® Microfiltration Media for Surgical Suction
<b>PREFILTER</b>	micro fibreglass HEPA Air Filter
<b>SUPPORT</b>	non-woven PE/PES