



DISPOSABLE CONTAINERS SYSTEM
FOR THE COLLECTION OF SUCTIONED FLUIDS WITH MECHANICAL VALVE

flow-mete

FLOVAC® disposable containers are 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. The replacement operations are very simple, reducing to the minimum the plant stops in each application. Moreover, **flow-meter™** designed and developed a complete range of accessories aimed at covering the most of hospital applications.



CERTIFICATIONS

All medical devices manufactured by **flow-meter™** respect and comply the requirements of Regulation (EU) MDR 2017/745, and meet the technical specifications imposed by national and international reference Standards.

Practicality, Safety, Simplicity granted by:



Disposable and closed system to prevent any contamination to the plant, to the patient and to the medical staff.



Different ports size to avoid any connection mismatch.



Easy identification of the ports thanks to color code and ports function engraved on the lid.



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. An optional non-return valve on the PATIENT port is also available for additional safety in the most critical applications.



The **mechanical valve** works as a shut-off valve and stopping the suction when the container is full. The floating valve is supplied in combination with an antibacterial filter giving further protection towards the hospital vacuum plant or any other suction equipment.











from How-meter gel

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.

LINERS can be supplied in different configurations: liner only and liner with prefilled gelling kit.

The **FLOVAC® LINER** has a soft but extremely resistant bag, allowing an easy extension by the operator, highly simplifying the insertion of the same into the supporting jar while assembling the system. This action is definitively important for safety and efficiency of the **LINER** for suction applications.

A regular adherence of the **LINER** to the inner surface of the supporting jar avoids the mechanical stress on the bag generated by the **VACUUM** and allows a measurement accuracy on the graduated scale and a correct intervention of the overflow system.



The supporting jars have a conical shape to get small size packaging, to save transport costs and space during the storage. To avoid jars getting stuck or unexpected inner scraping, four ribs inside the bottom area stop properly the jar position when one inside the other. A graduated scale printed on the supporting reusable jar allows an easy monitoring of the volume of the suctioned fluid.





- · Sacchetto per contenitore di fluidi aspirati
- · Collection liner for fluids suction canisters
- · Poche de recueil pour bocaux pour fluides aspirés
- Flüssigkeitenabsaugbeutel
- Bolsa para el recipiente de succión de fluidos
- Σάκος για δοχείο αναρρόφησης υγρών
- · Boisa para frasco de fluidos aspirados
- · Jednorázový vak na sekret





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LOT	C0672002
	2027-07





Flow Motor S.p.A. Valdel Uso, 6 24040 Levate - Bergams - ITALY

IDMO LISCHARTS

The **FLOVAC® LINER** is individually packed in a blister giving all the indications of size, lot number, expiry date and production date. The individual packaging, besides providing protection and hygiene of the single device until its opening and use, also gives evidence of an intact and perfectly preserved product and facilitates the distribution of the individual units in the different hospital departments.

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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.

The **FLOVAC® CANISTER** when fastened to the lid by the operator, becomes a complete sealed container to be disposed after the use.

CANISTERS are available in 3 capacities (1.0 L - 2.0 L - 3.0 L).



To avoid jars getting stuck or unexpected inner scraping, **CANISTERS** are equipped with four ribs inside the bottom area stopping properly the jar position when one inside the other.







both for the operators and for hospital plants and environment, thanks to the use of absolutely reliable manufacturing materials. The different ports size avoid any connection mismatch.

The lid

In detail

The lids are different between the **LINER** version, having the collection bag welded and integrated, and the **CANISTER** version, where the lid is a cover able to get complete sealing when firmly placed and connected onto the jar by the hospital staff.

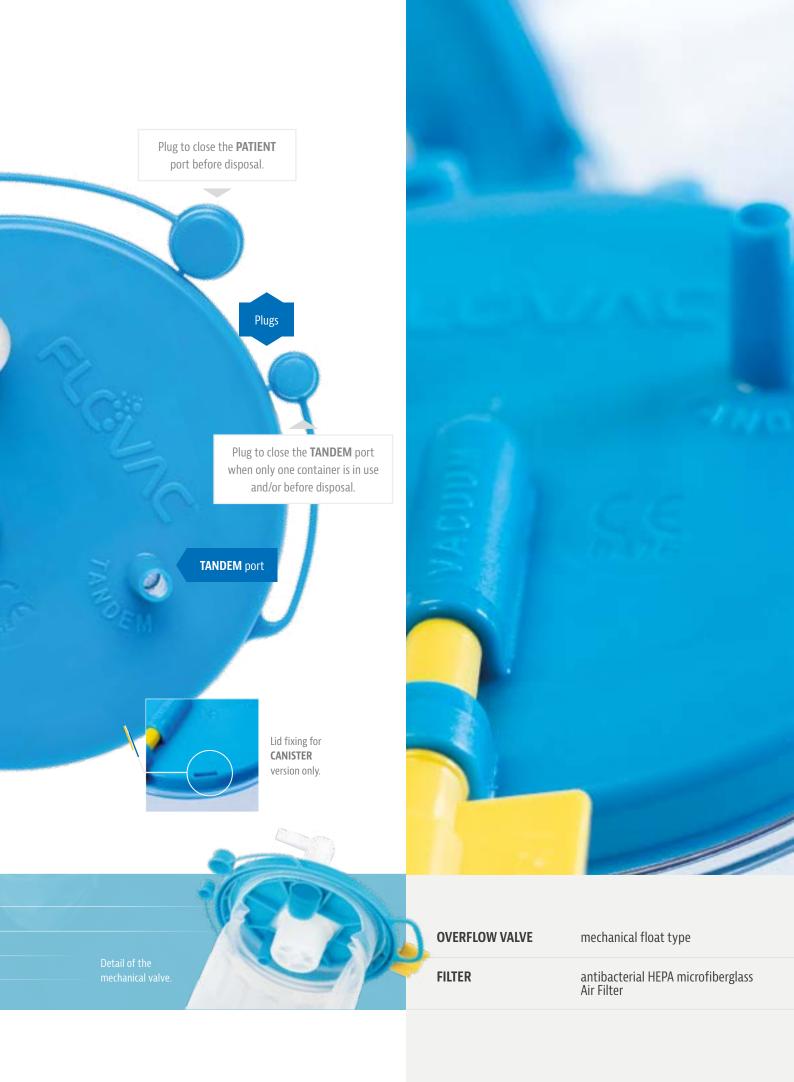
In both **FLOVAC®** versions all connections and handling devices are concentrated on the lid. **PATIENT** and **VACUUM** ports (one male and the other female, to avoid any misconnection), the **TANDEM** port, the handle to help the bag removal after use (**LINER** version) and for easy transport, two plugs, connected to the lid through integrated plastic wirings, to close and seal the **PATIENT** port and the **TANDEM** port after use. In case of suction with one jar only, this **TANDEM** port must be plugged before use. The male **PATIENT** port fits a removable 90° elbow with connection diameter 8.0÷9.2 mm for normal suction operations.

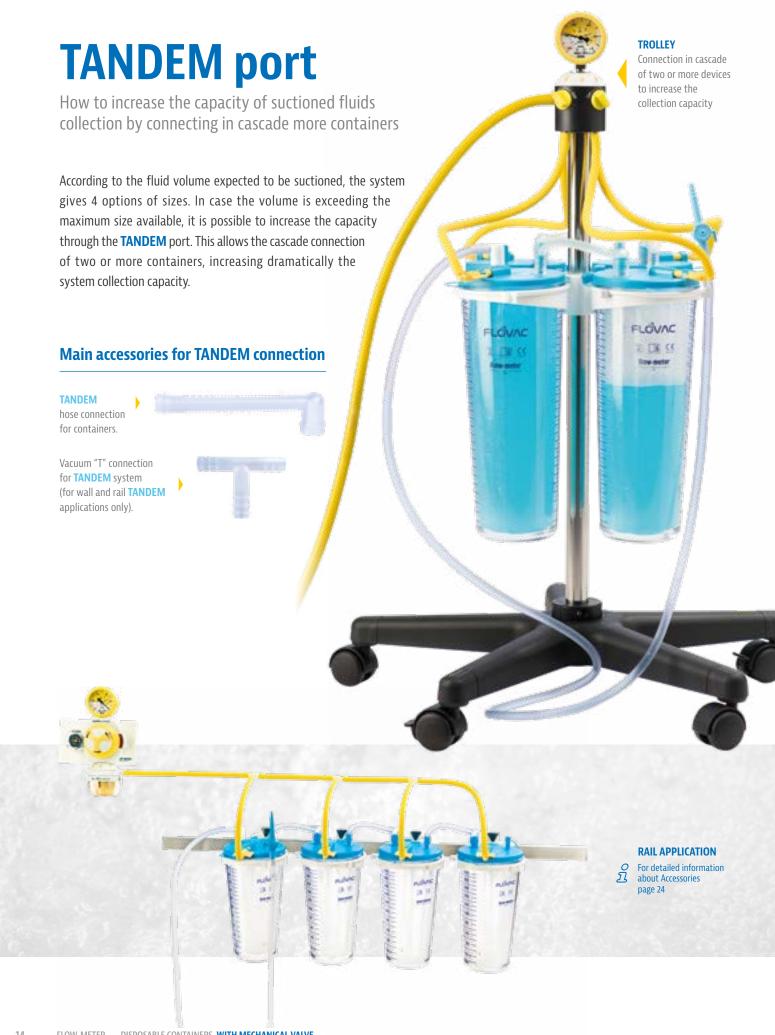
In case of suction with expected collected fluids containing bone fragments it is enough to remove the elbow getting access to the direct vertical connecting port having diameter 14.0 \div 15.5 mm. The lower part of the lid fits the mechanical valve with antibacterial filter and its protection.



Connect the **PATIENT** hose

LID MATERIAL	HDPE (High Density Polyethylene)	plant or to the electrical suction device.	
VACUUM PORT	conic female connection		
PATIENT PORT	male connection Ø 14.0 \div 15.5 mm (Ø 8.0 \div	9.2 mm with elbow connector)	
TANDEM PORT	male Ø 8.0 ÷ 9.2 mm connection		
PATIENT HOSE SIZE	inner Ø ≥ 6 mm (recommended Ø 7.5x11.2 m		
VACUUM HOSE SIZE	inner Ø ≥ 6 mm - L=1.8 m max		











In detail

FLOVAC® mechanical



TANDEM PORT

The **TANDEM** port allows the connection in cascade of many containers, each one having its suction source. A plug integrated in the lid can close and seal this port in case of use of one single container.

VACUUM CONNECTOR

The vacuum source coming from the plant or from an electrical suction machine must be connected to the **VACUUM** port through a simple PC autoclavable connector fitting a suction hose, for easy, simple, fast and safe **FLOVAC®** container connection and disconnection.

SUPPORT RING

The **FLOVAC®** support ring is the same for the 2 versions, **LINER** and **CANISTER**, all the capacities and the different fitments: wall, rail, trolley. A hose hook holder integrated in the external diameter of the ring allows the suction tube to be easily fixed in to avoid obstructions. Clips are also available (optional) to fix 25x5 mm and 30x5 mm rings to trolleys, brackets and wall plates.

PATIENT PORT

The **PATIENT** port is equipped with an elbow hose connector for the suction of fluids. To allow the suction of fluids containing bones fragments, the elbow connector has to be removed.













CANISTER pouches to be inserted into canisters before use (on request)

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. This process allows to absorb and incorporate all liquids suctioned in the **FLOVAC®** containers and to prevent dangerous contamination risks for the health staff in case of biological fluids accidental leakage. The correct necessary quantity of gelling powder is supplied in small water-soluble pouches, already inserted into the container bag in **LINER** version, or supplied in 50 pieces boxes for use in **CANISTER** version. In this case one single gelling bag needs to be placed into the container before fastening the lid.

The gelling powder is also available in 500 g. bottles with funnel/doser so that to be poured into the **FLOVAC®** containers by the operators after the use and before disposal.

Gelling powder gel in 500 g. bottles with funnel/doser to be used for both **LINER** and **CANISTER** versions





Gellified suctioned liquid

Soft and resistant bag made in LDPE (Low Density Polyethylene) with specific surface finishing reducing its adhesion to the jar walls once the liner is full and allowing an easier extraction. It is tested to resist to accidental fall and to the heaviest conditions

Jar made of Polycarbonate:

- Easy cleaning
- Graduated scale for easy reading of the volume of the suctioned fluids





Accessories

for **FLOVAC®** disposable containers



Reusable support jars (for LINER version) in polycarbonate, autoclavable (121 $^{\circ}$ C - 15 min.)



pieces/packag 1.0 L



pieces/package





Available also in blue version 1.0 L and 2.0 L only.



ON-OFF tap

with or without control vacuum gauge, for fitting **FLOVAC®** container support ring



Wall bracket

- **25x5 mm** slide wall plate (standard)
- 30x5 mm slide wall plate
- 45x5 mm slide wall plate



Support ring for FLOVAC® container

- with **25x5 mm** hook (standard)
- with **30x5 mm** hook
- with 41x4 mm hook
- with 45x5 mm hook



Bracket for 30x10 mm and 50x10 mm rail

in technopolymer available in **25x5 mm** slide, **30x5 mm** slide or **45x5 mm** slide





Clip fixing

25x5 mm and 30x5 mm rings to trolleys, brackets and wall plates





Polycarbonate connector

reusable polycarbonate connector to supply the **VACUUM** port





Hose with elbow connector

hose Ø 7.5x11.2 mm - L=0.37 m with elbow connector to supply the **VACUUM** port





Disposable VACUUM breaker





Vacuum "T" connection

for **TANDEM** system (for wall and rail **TANDEM** applications only)





Hose with connector

hose Ø 7.5x11.2 mm - L=0.37 m with connector to supply the **VACUUM** port





Specimen container





Hose with VACUUM breaker

hose Ø 7.5x11.2 mm - L=1.8 m with disposable **VACUUM** breaker





TANDEM connection system





Polycarbonate elbow connector

reusable polycarbonate elbow connector to supply the **VACUUM** port





Gelling powder gel

in 500 g. bottles with funnel/doser





Gelling powder bag

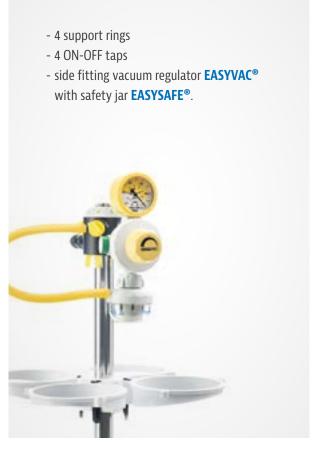
special gelling powder bag for all sizes of **CANISTER FLOVAC®**

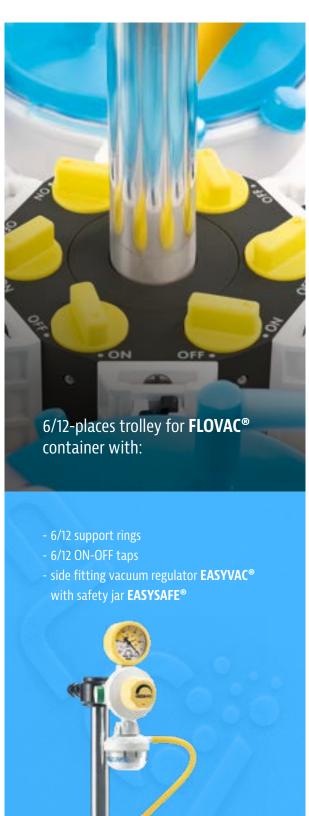












Product codes

FLOVAC® disposable containers

		DESCRIPTION	CODE	PCS. PER BOX
FLOVAC* "LINER"	VERSION SINGLE-USE SOFT	LINER BAG IN A REUSABLE SUPPORT CONTAI	INER	
	LINER FLOVAC* Mechanical valve	1.0 L	000036060	48
		1.5 L	000036063	48
		2.0 L	000036061	48
		3.0 L	000036062	48
	LINER FLOVAC° Mechanical valve	1.0 L with gelling powder bag include	000036068	48
		1.5 L with gelling powder bag include	000036074	48
		2.0 L with gelling powder bag include	000036069	48
		3.0 L with gelling powder bag include	000036070	48
	Reusable FLOVAC®	1.0 L	970010211	15
		1.5 L	970010327	12
	support container	2.0 L	970010212	10
	3.0 L	3.0 L	970010213	5
	Blue reusable FLOVAC®	1.0 L	970010289	15
	support container	2.0 L	970010290	10



FLOVAC® disposable containers and accessories

		DESCRIPTION	CODE	PCS. PER BOX
FLOVAC* "CANISTER" VERSION SINGLE-USE RIGID COLLECTION JAR WITH LID				
	CANISTER FLOVAC® Mechanical valve	1.0 L	000036065	60
		2.0 L	000036066	40
		3.0 L	000036067	30
FLOVAC® LINE AC	CESSORIES			
0	Support ring for FLOVAC® container	with 25x5 mm slide (standard)	970010210	-
		with special slides 45x5 mm	970010215	-
		with special slides 41x4 mm	970010214	-
		with special slides 30x5 mm	970010220	-
÷	ON-OFF tap	for fitting on FLOVAC® container support ring	000010057	-
(6)	ON-OFF tap	with control vacuum gauge, for fitting on FLOVAC® container support ring	000010056	-
		slide 25x5 mm	920200004	-
	ABS wall plate with fitments	slide 30x5 mm	920200029	-
		slide 45x5 mm	920200477	-
		with slide 25x5 mm	000230500	-
	ABS rail clamping bracket for 25÷35x10 mm rail	with slide 30x5 mm	000230510	-
		with slide 45x5 mm	000230515	-



FLOVAC® accessories

		DESCRIPTION	CODE	PCS. PER BOX
FLOVAC® LINE AC	CESSORIES			
16	Clip	fixing 25x5 mm and 30x5 mm rings to trolleys, brackets and wall plates	000036107	50
	TANDEM connection system		000036103	100
	Vacuum"T" connector for wall and rail TANDEM applications		930070304	100
0.34	Reusable FLOVAC® suction system connector	polycarbonate	000036102	25
////	Reusable FLOVAC® suction system connector	with hose diam 7.5x11.2 mm, length = 0.37 m	000036101	50
58	Reusable FLOVAC® suction system elbow connector	polycarbonate	000036105	25
44	Reusable FLOVAC® suction system elbow connector	with hose diam 7.5x11.2 mm, length = 0.37 m	000036104	45
	Specimen container		000036100	10
	Gelling powder in 500 g. bottles	with funnel/doser	000036149	10
- Nor	Disposable vacuum breaker		000320000	50



FLOVAC® accessories and trolleys

		DESCRIPTION	CODE	PCS. PER BOX
FLOVAC® LINE ACC	CESSORIES AND TROLLEYS			
10	Disposable vacuum breaker with 1.8 m hose		000320010	100
y a	Gelling powder bag for CANISTER FLOVAC®	any size	000036150	50
	Trolley for FLOVAC® system	4 support rings, basic version	000260953	-
		with 4 ON-OFF taps and 4 support rings	000260945	-
		with ON-OFF taps and vacuum gauge, 4 support rings	000260950	-
		with ON-OFF taps and EASYVAC® vacuum regulator, 4 support rings	000260955	-
		with ON-OFF taps and EasyVAC® PLUS vacuum regulator, 4 support rings	000260944	-
		with ON-OFF taps and side mounting EASYVAC® vacuum regulator and EASYSAFE® safety jar, 4 support rings	000260957	-
		with 6 ON-OFF taps and side mounting EASYVAC® vacuum regulator and EASYSAFE® safety jar, 6 support rings	000260947	-
		with 12 ON-OFF taps and side mounting EASYVAC® vacuum regulator and EASYSAFE® safety jar, 12 support rings	000260946	-









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