

Dominant Flex Surgical Suction Pump

EN

INSTRUCTIONS FOR USE

WARNINGS AND SAFETY INSTRUCTIONS

WARNINGS
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTIONS
Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

SAFETY RELATED TIP
Indicating useful information about the safe use of the device.

The Dominant Flex is approved exclusively for the use as described in these instructions for use. Medela can only guarantee the safe functioning of the system when the Dominant Flex is used in combination with the original Medela accessories (collection system, tubings, filters etc. – see chapter “Accessories overview”).

IMPORTANT NOTE
• Please read and observe these warnings and safety instructions before operation. Please also familiarize yourself with associated information signals and troubleshooting instructions before operation (see chapter “Installation” and “Troubleshooting”).
These instructions for use must be kept with the device for reference.
• Please note that these instructions for use are a general guide for the use of the product. Medical matters must be addressed by a physician. Compliance with proper surgical procedures and techniques is the responsibility of the physician. Each physician must evaluate the appropriateness of the treatment based on his own knowledge and experience. Medela is only responsible for the effect on basic safety, reliability and performance of the Dominant Flex if it is used in accordance with the instructions for use.
• Compliance with proper surgical procedures and techniques is the responsibility of the physician. Each physician must evaluate the appropriateness of the treatment based on his own knowledge and experience.
• Any serious incident that has occurred in relation to the device must be reported to Medela AG and the relevant Competent Authority.

CAUTION: U.S. Federal law restricts this device to sale by or on the order of a physician.

Subject to change.

WARNINGS
• For use only by medically trained persons who have been adequately trained in suction procedures and in the use of aspirators.
• To avoid risk of electric shock, this equipment must only be connected to a power socket with protective ground.
• The device must not be used for suctioning explosive, easily flammable or corrosive liquids
• The connecting tubing supplied with the device must never come into direct contact with the suction area. A sterile suction catheter must always be used (risk of infection).
• Before cleaning the device, pull the plug out of the power socket.
• No modification of this equipment is allowed.
• Consult the indications for use and consider risk factors and contraindications before using the Dominant Flex. Failure to read and follow all instructions in this manual prior to use may result in serious or fatal injury of the patient.
• Not suitable for setting at a low vacuum, as needed for example for thoracic drainage without specialized accessories. Not approved for outdoor use or transport applications.
• Do not connect this device to a passive drainage tube.
• Do not use anti-static tubing to connect the endoscope to the suction pump as patient safety may be compromised.
• When used in aesthetic body contouring:
– This device will not, in and of itself, produce significant weight reduction.
– The device should be used with extreme caution in patients with chronic medical conditions, such as diabetes, heart or lung disease, circulatory diseases, or obesity.
– The volume of blood loss and endogenous body fluid may adversely affect intra and/or postoperative hemodynamic stability and patient safety. The capability of providing adequate, timely fluid replacement is essential for patient safety.
• The Dominant Flex pump may shortly shut down with electrostatic discharge (ESD) events at the DC port of 15kV.

CAUTIONS
• Incorrect use can cause pain and injury to the patient.
• Do not use sterile accessories when the sterile packaging is damaged.
• Wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walki-talkie can affect the Dominant Flex pump and should be kept at least a distance 1 ft (30 cm) away from the equipment.
• The rack version requires a minimum distance of 5 cm to the enclosure to prevent overheating of the device. The back of the enclosure must be open.
• The patient should be monitored regularly according to the physician's instructions and facility guidelines. Objective indications or signs of a possible infection or complication must be reported immediately (e.g., fever, pain, redness, increased warmth, swelling or purulent discharge). Non-observance can lead to considerable danger to the patient. Monitor the Dominant Flex frequently for operat ing status.
• Precautions when used for aesthetic body contouring:
– This device is designed to contour the body by removing localized deposits of excess fat through small incisions.
– Use of this device is limited to those physicians who, by means of residency training or sanctioned continuing medical education, have demonstrated proficiency in suction lipoplasty.
– Results of this procedure will vary depending upon patient age, surgical site, and experience of the surgeon.
– Results of this procedure may or may not be permanent.
– The amount of fat removed should be limited to that necessary to achieve a desired cosmetic effect.

– After each use, the parts that have been in contact with the aspirated secretions are to be cleaned, disinfected, sterilized or disposed of according to reprocessing instructions.
• To prevent the device from overheating, the exhaust at the bottom of the unit must be unobstructed when the unit is operational.

SAFETY RELATED TIP
• For safety tests, the suction pump requires service and repair throughout its service life in accordance with the service manual.
• The protection of the Dominant Flex against the effects of the discharge of a cardiac defibrillator is dependent upon the use of appropriate cables.
• Separation from electrical power is only assured through the disconnection of the mains plug and the fixed mains socket.
• Third party interfacing devices (e.g. cannulas, catheters) must be able to be attached without impacting the performance of the pump.
• Ensure proper performance of the suction pump prior to use, see section on preparation for use
• Avoid contact of fluids with the ends of the mains plug or appliance inlet port.

SAFETY INSTRUCTIONS

• Please consult the IFU of the devices for use with the Dominant Flex for any contraindications in the specific indications for use.
• Wear gloves for all operations.
• The Dominant Flex is a medical device that requires special safety measures in regard to EMC. It must be installed and put into operation in accordance with the EMC information in chapter “Technical documentation”.
• The Dominant Flex is Magnetic Resonance (MR) Unsafe. Do not take the pump into the MR environment.
• In the case of overflow, inform the internal technical service immediately and perform the tasks in the service manual.
• In each of the following cases, the device must not be used and it must be repaired by Medela Customer Service:
– if the power cord or the plug is damaged
– if the device is not functioning perfectly
– if the device is damaged
– if the device shows clear safety defects.
• Keep the power supply cord away from hot surfaces.
• The mains plug must not come into contact with moisture.
• Never pull the mains plug out of the fixed mains socket by pulling on the power supply cord!
• Never leave the device unattended when it is switched on.
• The pump must stand upright during use.
• Never use the device at high room temperatures, if you are very tired or in an environment where there is a risk of explosion.
• Never place the device in water or other liquids.
• When using single use, sterile products, please note that they are not intended to be reprocessed. Reprocessing could cause loss of mechanical, chemical and/or biological characteristics. Reuse could cause cross contamination.
• Contact your local Medela customer service representative for assistance with product operations.
• Use the Medela suctioning equipment for the removal of bodily fluids only. Do not use Medela suctioning equipment for the administration of bodily fluids.

These instructions for use must be kept for later reference.

DESCRIPTION

Introduction
The Dominant Flex is a high-quality suction pump, which provides maximum suction performance for many suctioning needs. The Dominant Flex's option of three selectable flow rates gives flexibility depending on surgeon's preference. It ideally combines easy handling and reprocessing with safety features to ensure optimal operation. You can choose from a comprehensive range of accessories from Medela to configure the pump to many medical applications.

Intended use/indications
The intended use of the Dominant Flex suction pump is the creation of a constant vacuum for use in hospitals and clinics.

This vacuum can be used for general suction, to aspirate and remove: surgical fluids, tissue (including bone), gases, bodily fluids or infectious materials and during specific procedures which may include, vacuum extraction, aesthetic body contouring, aspiration during flexible endoscopy, use with cardiac tissue stabilizers during off-pump coronary artery bypass, and epicardial ablation probes.

Intended user
The Dominant Flex should only be operated by properly trained staff. These persons must not be hard of hearing or deaf and must have adequate visual faculty. The training should be refreshed at least once a year.

Intended patient population
The Dominant Flex is intended to be used on patients only exhibiting conditions as described in the indications for use.

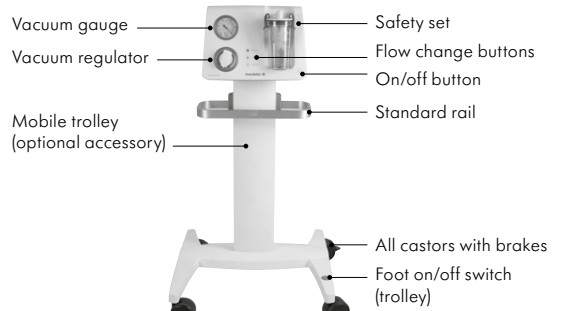
Contraindications
When used for epicardial ablation: Do not apply suction over an artery or aneurismal tissue.
When used for off-pump coronary artery bypass: Do not position the tissue stabilizers over a coronary artery, newly infarcted or aneurysmal heart tissue. Do not attach stabilizers/positioners to: newly infarcted tissue, aneurysmal tissue, directly over a coronary artery, fragile tissue.
When used in aesthetic body contouring, Dominant Flex is contraindicated for: Current infection, past medical history of bleeding, emboli, thrombophlebitis, edema, taking medications that may affect wound healing or blood clotting, taking medication that may interact with drugs used during liposuction, skin elasticity not adequate, diabetes, poor circulation, severe lung or heart disease, collagen/scarring/connective tissue disorders, pregnancy.
Complications when used in aesthetic body contouring: Infections, embolism (loosened fat gets trapped in blood vessels), visceral perforations (puncture wounds in the organs), seroma (pooling of serum where tissue has been removed), nerve compression and changes in sensation, swelling or edema, skin necrosis, fluid imbalance, hematomas, visible or disfiguring scars, discoloration of the skin, fainting during or after surgery, tissue damage.

Important note
Compliance with proper surgical procedures and techniques is the responsibility of the physician. Each physician must evaluate the appropriateness of the treatment based on his own knowledge and experience.

OVERVIEW

Definition of vacuum
In the application of medical aspiration devices, vacuum is normally given as the difference (in absolute figures) between absolute pressure and atmospheric pressure or as negative values in Kilopascal (kPa). In this document, the indication of –10 kPa for example always refers to a pressure range in kPa below atmospheric ambient pressure (according to terms and definitions of EN ISO 10079:1999).

Versions and main elements of the suction pump

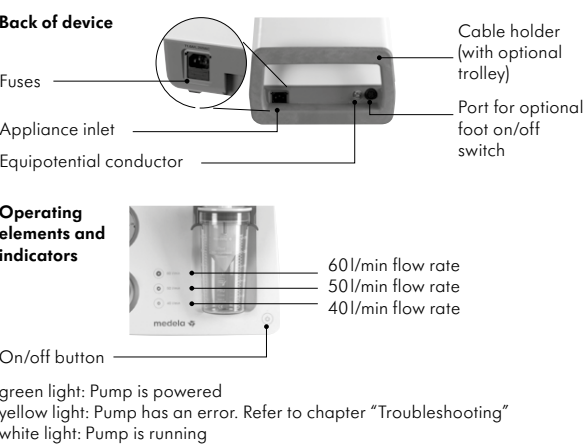


Mobile version



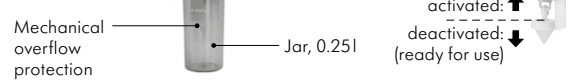
Portable version

Rack version



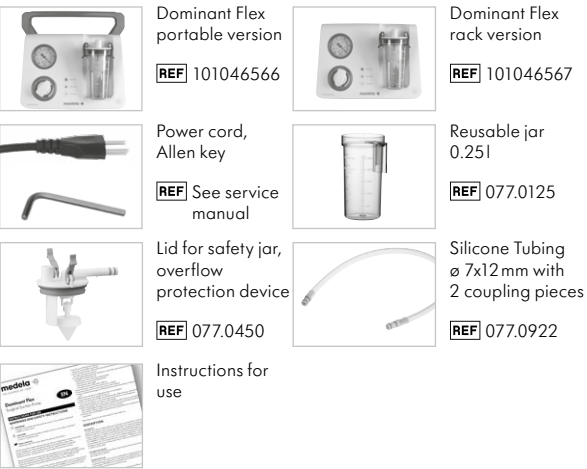
green light: Pump is powered
yellow light: Pump has an error. Refer to chapter “Troubleshooting”
white light: Pump is running

Safety Set



INSTALLATION

1 Check initial delivery
Check the delivery package of the Dominant Flex for completeness and general condition.



2 Remove transport lock

1.1 Remove the red note.
1.2 Remove 3 screws and store them for later use.

3 Set up mobile version (if available)

1.1 Position top part of trolley on bottom part, making sure the tubing fits as shown.
1.2 Connect parts with 4 screws.

2.1 Position pump on trolley. Make sure that the front of the pump and the standard rail point forward.
2.2 Connect pump with 4 screws.
2.3 Attach the cable holder with the two screws to the pump.

4 Assembly of the optional foot switch (when using the optional trolley)

1.1 Press and hold the blue release knob.
1.2 Attach the clampholder to the standard rail by releasing the blue knob.

5 Set up the Safety Set

1.1 Attach the mechanical overflow protection to the lid. Pull gently downwards to make sure it is open/deactivated.
1.2 Attach the lid to the jar.
1.3 Close the two lid clamps.

2.1 Attach the safety set to the pump.
3.1 For reprocessing, remove the safety set from the pump and disassemble by reversing steps 1.3, 1.2, and 1.1

PREPARATION FOR USE

WARNING
• For use only by medically trained persons who have been adequately trained in suction procedures and in the use of aspirators.

CAUTIONS
• The Dominant Flex must remain in an upright position during use.
• The rack version requires a minimum distance of 2.5 in (5 cm) to the enclosure to prevent overheating of the device.
• Sterile accessories must be checked to ensure the integrity of the packaging before use
• Non-sterile and reusable accessories must be cleaned, disinfected and/or sterilized according to the Medela reprocessing instructions (product code 200.6522).

1 Check before use
• Check the Dominant Flex system before use for damage of the power cord or plug, obvious device damage or safety defects and proper functioning of the device.
• Check for completeness and general condition of the Dominant Flex delivery package.
• Check all accessories prior to use:
1. suction jars, lids and liners for cracks, brittle and flawed spots. Replace if necessary.
2. Tubing for cracks, brittle areas and that connectors are firmly attached. Replace if necessary.
3. As an additional safety test, evacuate the system (including jars) to maximum vacuum before actual use.

2 Assembly of the basic configuration

1.1 Make sure that the Safety Set is attached to the Dominant Flex. See chapter “Installation” and “Set up the Safety Set”.
2.1 If required attach a filter to the Safety Set with the arrow pointing in the flow direction.
3. Attach all necessary accessories according to your needs. See “Accessories overview”.

3 Assembly of the optional foot switch

1.1 Connect the optional foot switch to the pump by plugging in the plug.
1.2 Test the correct functioning of the foot switch.

4 Assembly of collection systems
Please refer to the instruction sheets of the Medela Disposable Collection System, Medela Reusable Collection system and Medela Disposable filter provided with the associated articles to find the assembly instructions and all information related to the use of the accessories and collection system.

OPERATING INSTRUCTIONS

CAUTION
• The Dominant Flex is to be set up in such a way, that a separation from the mains supply can be easily managed.

Note
• Wear gloves for all operations.

1 Connect the Dominant Flex to electrical power

1. Check the pump before use following the instruction in chapter “Preparation before use”.
2.1 Connect the power cord to the appliance inlet at the back of the suction pump. Use the mounting bracket to secure the cord in the inlet port.
2.2 Plug in the mains plug of the power cord to a fixed mains socket.
3.1 An internal self-test is performed. When the green LED lights up, the device is ready for use.

2 Verify maximum vacuum

1.1 Switch on the Dominant Flex. The pump will indicate a flow rate of 50 l/min.
2.1 Turn the vacuum regulator to the right to set maximum vacuum.
3.1 Seal the end of the patient tubing with your thumb.
3.2 Compare the maximum vacuum according to the specification (below). See chapter “Troubleshooting” and “Insufficient vacuum” if vacuum is not reached.

Vacuum specifications:	Altitude above sea level:	Max. Vacuum:
+ 3000 m	– 64 kPa	– 480 mmHg
+ 2000 m	– 74 kPa	– 555 mmHg
+ 1000 m	– 84 kPa	– 630 mmHg
+ 500 m	– 89 kPa	– 668 mmHg
0 m	– 95 kPa	– 713 mmHg
		(Tolerance: +/- 15 %)

WARNING
• The device must not be used for suctioning explosive, easily flammable or corrosive liquids

CAUTION
• When the Dominant Flex is used for drainage of bodily fluids or infectious materials from wounds, the negative pressure should be set according to the instructions of the special-ist so as to not cause any wound damage.

3 Changing flow rate

1.1 Change flow rate according to operator's preference. After switching on the pump (with either the foot switch or the button on the pump), it will start running in the 50l/min. mode.
1.2 Touch to change to:
60 l/min
50 l/min
40 l/min

4 Changing vacuum level

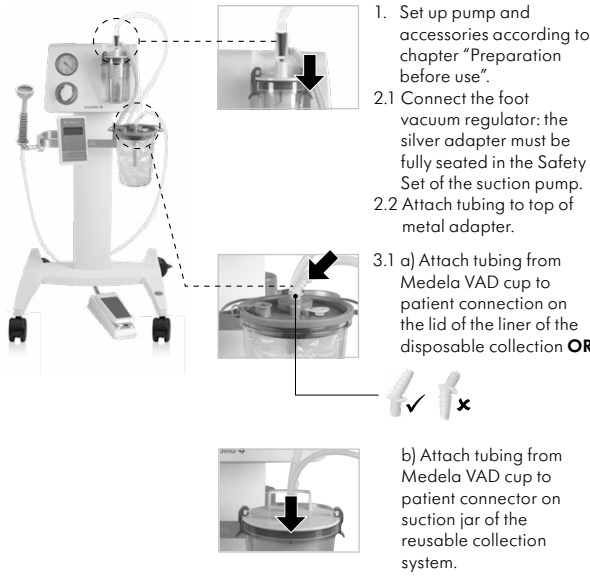
2.1 Clamp patient tubing.
2.2 Turn vacuum regulator to select the correct vacuum according to the particular application. To increase vacuum turn regulator clockwise.
2.3 Check vacuum gauge for setting.

5 Placing out of operation after use

1.1 Touch on/off button to switch off the suction pump.
2.1 Disconnect the mains plug from electrical power source.
3. Clean and disinfect the Dominant Flex. See chapter “General Reprocessing Guidelines”.

VACUUM ASSISTED DELIVERY SETUP

CAUTION
• The Dominant Flex is to be set up in such a way, that a separation from the electrical power supply can be easily managed.



1. Set up pump and accessories according to chapter “Preparation before use”.
2.1 Connect the foot vacuum regulator: the silver adapter must be fully seated in the Safety Set of the suction pump.
2.2 Attach tubing to top of metal adapter.
3.1 a) Attach tubing from Medela VAD cup to patient connection on the lid of the liner of the disposable collection system.
b) Attach tubing from Medela VAD cup to patient connector on suction jar of the reusable collection system.
4.1 Switch on pump, turn to max. vacuum, clamp tubing from Medela VAD cup and fully depress the vacuum regulator (forward and down, using ball of foot).
4.2 Compare maximum vacuum according to specification, see table above.
5.1 If OK, release vacuum by returning foot vacuum regulator to resting “zero vacuum or ambient pressure” state (rear and down using heel of foot).
5.2 The pump is now ready for use.

TROUBLESHOOTING

Insufficient vacuum
Verify that:
• the vacuum regulator is set correctly.
• the tubing is not defective or broken. If necessary, replace.
• all plug-in connections are tight.
• the overflow protection is deactivated/open. If the overflow protection is activated, deactivate it as shown under chapter “Installation” and “Set up the Safety Set”.
• the suction jar and lid have no cracks, brittle areas, discoloration. If necessary, replace.
• the disposable system has no cracks, brittle areas, discoloration. If necessary, replace.
• the filter is not clogged. To test if the filter is clogged, refer to instruction sheet provided with the filters.

If the issue cannot be resolved, contact the internal technical department.

No LED lit
The Dominant Flex is not connected to electrical power or the fuse needs replacement.

Yellow LED indicator lit
Minor case: yellow LED indicator lit but the pump can be switched on and off:
• contact the internal technical department or your authorised service center at next possible occasion.

Major case: yellow LED indicator lit and pump cannot be switched on and off:
• contact the internal technical department or your authorised service center for repairs/maintenance.

Motor not running
Verify that:
• the Dominant Flex is switched on. The standby LED must be illuminated.
• the mains plug is inserted correctly into the fixed mains socket and into the appliance inlet.
• the fuse on the back of the Dominant Flex is not defective. For replacing the defective fuse follow chapter “Replacing defective fuse”.

If the issue cannot be resolved, contact the internal technical department.

REPLACING DEFECTIVE FUSE

WARNING
• Before replacing the fuse, pull the power plug out of the power socket.

Please follow the instruction in the service manual ([REF] 200.6365), how to replace fuses (T 1.6Ah, 250 VAC, 5x20mm) of the Dominant Flex pump.

GENERAL CLEANING GUIDELINES		WARNING	
		• After each use, the parts that have been in contact with the aspirated secretions are to be cleaned, disinfected, sterilized or disposed of according to reprocessing instructions.	
		PSU jars, reusable lids, clamps, overflow protection, O-rings (in case of spill thereon), wall holders and PC jars (in case of a spill), connectors (disassembled from tubing), holders, locking clasp	
		Silicone tubing (up to 200 cm only), change over valve (in case of a spill)	
Additional information	x	x	Pump housing, cables, foot switch, foot vacuum regulator, wall holders, trolley, PC jars
	x	x	– Per ISO 17664-2, these instructions have been validated by the manufacturer of the medical device as being capable of preparing a medical device for reuse. It remains the responsibility of the user to ensure that the processing, as actually performed using equipment, materials and personnel in the processing facility, achieves the desired result. This requires verification and/or validation and routine monitoring of the process.
General safety instructions	x	x	– For specification of water qualities see AAMI TIR34.
	x	x	– The washer-disinfector shall be qualified according to ISO 15883 series; cleaning and disinfection was validated in an ISO 15883 certified washer- disinfector of an accredited lab.
Limitations	x	x	– All disassembled parts must be safely fixed in the carriers/on fixation points.
	x	x	– Do not overload the washer-disinfector. Arrange the disassembled parts in such a way that no areas are left unwashed and inner and outer surfaces are reached by the cleaning liquids.
General safety instructions	x	x	– Discard or service the device (or component as applicable) if it shows visible signs of wear or damage.
	x	x	– Always wear personal protective equipment (PPE): disposable gloves and other PPE as per local guidelines and regulations.
Preparation before cleaning	x	x	– Point-of-use treatment with utility water [≤40 °C, ≤104 °F]. Violation of this may result in the fixation of residue and thus inhibit disinfection.
	x	x	– If the device is used on a patient who suffers from a disease, and whose pathogens cannot be eliminated with procedure outlined below, the device must be disposed of.
Manual disinfection	x	x	– Consult the cleaning and disinfection agent manufacturer's instruction for use regarding, including but not limited to exposure times and safety measures.
	x	x	– Perform point-of-use treatment directly after use of the device (before soil can dry onto the device).
Automated cleaning	x	x	– Disconnect the power cord from the electrical power source.
	x	x	– Avoid contact of fluids with the ends of the mains plug or appliance inlet port.
Manual disinfection	x	x	– Never immerse the device in or rinse with water or other liquids. Do not spray cleaning agent and disinfectant directly on the device.
	x	x	– Wipe external surfaces of the device to remove all gross soil with a soft, lint-free wipe moistened with utility water. Take care to wipe away from difficult-to-clean (and disinfect) areas, such as crevices, deep ends, and complex geometry.
Manual disinfection	x	x	– In case of contamination on the lumen of the tubing with connectors or on the mating area between connector piece and hose (if the connector cannot be removed), or in the channels of the change-over-valve, dispose of the device per applicable procedures for contaminated material.
	x	x	– Disassemble into individual parts before proceeding (see installation instructions).
Manual disinfection	x	x	– Remove connector piece[s] from hose of tubing if they are soiled.
	x	x	– Remove O-rings from connector piece if they are soiled.
Manual disinfection	x	x	– Carefully open the Torx Screw on the holder, compress the spring by pressing the button. After removing the screw, slowly release the push button. Next, remove the push button and the spring. Then remove the lower claw by closing the clamp and then pulling.
	x	x	– If necessary, and for the removal of gross soil, place the disassembled components in utility water for 10 minutes and wipe off visible staining with a soft, lint-free wipe soaked in utility water.
Manual disinfection	x	x	– If residual soil has dried onto the device, the soil must be rehydrated before the enzymes can be effective.
	x	x	– Wipe all external surfaces of the device with CaviWipes™ or Incidin OxyWipe S™.
Manual disinfection	x	x	– Wipe away from difficult-to-clean areas (e.g., where components that cannot be disassembled meet).
	x	x	– Use a new cleaning and disinfectant wipe when the wipe is contaminated.
Manual disinfection	x	x	– Clean until all visible soil is removed.
	x	x	– Take a new CaviWipes™ or Incidin OxyWipe S™ wipe and wipe all external surfaces of the equipment.
Manual disinfection	x	x	– Pay special attention to the difficult-to-clean areas of the device.
	x	x	– To aid exposure of difficult-to-clean areas, a new CaviWipes or Incidin OxyWipe S wipe may be wrapped around a spatula or a similar utensil.
Manual disinfection	x	x	– Make sure all surfaces of the device remain visibly moist at room temperature for 3 minutes. If the surface is getting too dry, moisten the surface using a new wipe.
	x	x	– Take a new CaviWipes™ or Incidin OxyWipe S™ wipe and wipe again all external surfaces of the equipment.
Manual disinfection	x	x	– After the prescribed exposure, remove any residuals using a soft, lint-free wipe moistened with critical water per AAMI TIR 34.
	x	x	– Connect tubes to the active rinsing system of the load carrier to ensure the rinsing of the inside and outside.
Manual disinfection	x	x	– Place lids on straight nozzle through inlet (patient side).
	x	x	– Position all other devices in the load carrier.
Manual disinfection	x	x	– If applicable, position the carrier for small parts on the load carrier.
	x	x	– Do not use any drying aids (rinsing agents) as these could remain on the surface with a detrimental effect to the device and its biocompatibility.
Manual disinfection	x	x	The cleaning program of the washer-disinfector should adhere to the following:
	x	x	– 1 minute pre-cleaning with utility water
Manual disinfection	x	x	– 5 minutes cleaning at 55 °C with 0.5 % solution of neodisher® MediClean forte in utility water
	x	x	– 1 minute rinsing with critical cold water per AAMI TIR 34
Manual disinfection	x	x	– Thermal disinfection with critical water per AAMI TIR 34 (without an additional agent) at 90 °C for 1 minute (A0=600) or adapt A0 values per local guidelines and regulations.
Manual disinfection	x	x	– Dry disassembled components in washer-disinfector at 110 °C for at least 45 minutes.
Manual disinfection	x	x	– If drying in the washer-disinfector is not possible or in case of residual moisture, wipe external surfaces dry using a dry, soft lint-free wipe, or carefully dry with medical grade compressed air.
Manual disinfection	x	x	– Pay special attention to the dryness of hard to reach areas.
Manual disinfection	x	x	– Visually inspect the device or disassembled components for any remaining soil or disinfectant solution. If necessary, repeat the cleaning and disinfection.
Manual disinfection	x	x	– Visually inspect the device or disassembled components for damage. In case of any damage to one or more parts, replace them with new ones.
Manual disinfection	x	x	– Consult the installation section in this IFU for guidance on reassembly.
Manual disinfection	x	x	– Perform full service or routine check as indicated in this IFU.
Manual disinfection	x	x	– Always store device in a dry, clean, and dust free environment.
Manual disinfection	x	x	– Reprocess the device before sending it in for service. If this is not possible or can only be done in parts, the package shall indicate the potential biohazard. Local procedures and guidelines apply.
Manual disinfection	x	x	– Take appropriate measures to ensure intactness of the device or the components and to safeguard against re-contamination until use as per local guidelines and regulations.
Manual disinfection	x	x	
	x	x	

WARRANTY AND SERVICING

Warranty
Medela AG warrants the device will be free from defects in materials and workmanship for a period of 5 years from the date of delivery. Faulty material will be replaced free of charge during this period if not resulting from abuse or misapplication. This will not apply to parts subject to wear and tear in use. To ensure compliance with this warranty as well as optimum service from Medela products, we recommend the exclusive use of Medela accessories with our pumps.

In no event shall Medela AG be liable for claims which exceed the scope of warranty described including liability for consequential damages, caused by incorrect operation, inappropriate use, unauthorized repairs or inappropriate assembly or disassembly.

The right to the replacement of faulty parts will not be recognized by Medela if any work has been carried out on the pump by unauthorized persons. This warranty is subject to the device being returned to a Medela service centre.

Servicing/routine check
Maintenance and service work on the suction pump, its modules or accessories must only be performed by authorised maintenance personnel who have been trained. Medela recommends to carry out the routine check 1x per year according to the Medela service manual [[REF](#) 200.6365], which is available in English upon request.

DISPOSAL

- Handle and dispose of all products in accordance with accepted medical practice and with applicable local guidelines and regulations.
- Reprocess reusable devices prior to disposal. Autoclave accessories that are contaminated with body fluids.

- Pump and electrical parts**
- Inquire at the point of sale or contact your local authority for appropriate collection points for waste equipment.
 - The Dominant Flex must be disposed of in accordance with the European directive 2012/19/EU WEEE.
 - Do not dispose of electrical or electronic equipment together with unsorted municipal waste, collect it separately instead.
 - In the European Union/Switzerland/UK the manufacturer or its vendor must take back waste equipment. Other countries may have similar collection and recycling systems. Please respect the relevant state laws and rules in your country for the disposal of electrical and electronic equipment.
 - The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

















ACCESSORIES OVERVIEW

- WARNINGS**
- The Dominant Flex was verified in combination with the accessories listed below. For correct and safe operation, use the Dominant Flex with these accessories only. Further information is supplied on the instruction sheet of the individual accessory.
 - Do not connect to passive drainage tubes.

- SAFETY RELATED TIP**
- A selection of various cannulas is available from different manufacturers. They vary in tip styles, tip shapes, lengths and diameters, straight or curved, 077.0523 077.0531/32 with or without vent holes. A cannula with FDA-certified materials must be used in combination with the Dominant Flex. Cannula manufacturers may include: Byron Medical, Inc, and Tulip Medical, Inc. If the pump is used together with third party patient interfacing devices (e.g., cannulas, catheters), they must: – have the CE label and (if necessary) local registration. – be able to be attached to Medela accessories safely without impacting the performance of the pump. Tubing connection on reusable lids of jars: Ø 6–10 mm, Ø 10–14 mm Tubing connection on disposable liners: Ø 6.5–11 mm

Note
When combining Medela parts and a new patient interfacing device, you take on the responsibility for the entire system and should test the combination to ensure the vacuum levels are properly maintained.

REF 101046567, rack version		REF 077.0711		REF 017.0015	
REF 101046566, portable version (not shown in this picture)		REF 071.0034			

Patient tubing (from collection system to patient applied part)		
Disposable Sterile Tubing 		
 REF 077.0170: 150 cm	 REF 077.0184: 150 cm	 REF 077.0951: 180 cm
 REF 077.0193: 300 cm (for global account only)	 REF 620.0018: 300 cm	
Disposable tubing, non sterile 		
 REF 077.0952: 180 cm		
Silicone, 7x12 mm*	Silicone, 5x10 mm	Silicone, 6.5x11.7 mm
 REF 077.0053: 32 cm  REF 077.0054: 50 cm  REF 077.0055: 120 cm  REF 077.0056: 150 cm  REF 077.0051: 200 cm  REF 077.0052: 2500 cm	 REF 077.0970: 2500 cm	 REF 077.0961: 180 cm
* may be used with VAD cups (for reprocessing see instructions for use of VAD cups)		

Connectors					
REF 077.0161	REF 077.1017	REF 077.1020	REF 077.0100	REF 077.0097	REF 077.0098

Connectors	
REF 077.1019	REF 077.1018
Liners	
1.5L	2.5L
REF 077.0083/84 REF 077.0194 (for global account only) REF 101035340 (for global account only)	REF 077.0086/87

Reusable lids				
REF 077.0450	REF 077.0440	REF 077.0420/30	REF 077.1021	REF 077.1013

PC jars (max. 4x 2.5 l)		PSU Reusable jars (max. 4 x 5 l)		Locking clasp	
REF 077.0082 (1.5l)	REF 077.0085 (2.5l)	REF 077.0125: 0.25 l REF 077.0155: 0.5 l REF 077.0110: 1 l REF 077.0120: 2 l REF 077.0130: 3 l REF 077.0150: 5 l		REF 077.0102	

Reusable sets		
REF 077.0701: 1l (with clampholder) REF 077.07015: 1l (without clampholder) REF 077.0702: 2l (with clampholder) REF 077.0716: 2l (without clampholder) REF 077.0703: 3l REF 077.0705: 5l	REF 077.0704: 2x3l REF 077.0706: 2x5l REF 077.0707: 2x2l	
Vacuum tubing (from suction pump to collection system)		
Silicone, 7x12 mm		
REF 077.0054: 50 cm REF 077.0901: 100 cm REF 077.0902: 200 cm REF 077.0905: 500 cm REF 077.0900: 2500 cm	REF 077.0931: 25 cm REF 077.0185: 60 cm	REF 077.0921: 30 cm REF 077.0922: 60 cm REF 077.0189: 300 cm

REF 077.0154: 25 cm REF 077.0911: 33 cm REF 077.0912: 60 cm REF 077.0913: 100 cm		
---	--	--

Filters**		
REF 077.0571 REF 077.0572 REF 077.0573 REF 077.0575 REF 101035263 REF 101035264 REF 101035265	REF 077.0723	REF 077.0731
** single patient use, see respective IFU		

Holders		
REF 077.0521	REF 077.0751/52	REF 077.0651

Accessories for high volume setups		
REF 077.0563	REF 077.0561	REF 077.0188
REF 077.0542	REF 077.0158	REF 077.0095
	REF 077.0160	

Specimen cups		
REF 077.0562/64	REF 077.0194 REF 101035340 (for global account only)	REF 077.0094

Wall holders	
REF 077.0523	REF 077.0192

Vacuum Assisted Delivery cups				
Reusable (for reprocessing see instructions for use of VAD cups)				
REF 077.0175/76	REF 077.0080	REF 077.0171/72	REF 077.0761/62	REF 077.0078
	REF 077.0173/74			

Single use/sterile	
REF 077.0792	REF 077.0791

TECHNICAL SPECIFICATIONS	
high vacuum –95kPa/–713 mmHg Tolerance: ± 15 %	Measured at sea level (0m), atmospheric pressure: 1013.25 hPa Please note: vacuum level varies depending on location (atmospheric pressure, humidity, and temperature).
high flow 40, 50 or 60 l/min. Tolerance: + 10 l/min.	Measured at sea level (0m), atmospheric pressure: 1013.25 hPa Please note: flow varies depending on location (atmospheric pressure, humidity, and temperature).
9.3 kg 20.5 lbs Rack version	HxWxD (rack version) 210x305x375 mm 8.2x12.0x14.8 inches
AC 100–240V, 50/60 Hz 120 W	
ISO 13485 CE (2017/745/EU), IIa	CE 0123
Transport/Storage conditions	
Operating conditions	
IP22	

SIGNS AND SYMBOLS

CE 0123 Indicates compliance with the EU requirements concerning medical devices.	TU Indicates the compliance with additional USA and Canada safety requirements for medical electrical equipment.	S Indicates the legal specifications of the system.
Read and follow the instructions for use.	General safety alert symbol, points to information related to safety.	Indicates safety related tip.
Indicates earth (ground).	Indicates the class of the system related to electrical safety.	Indicates protective earth (ground)
IP22 Indicates the protection against harmful effects due to the ingress of solid foreign objects and water.	Indicates a type CF applied part.	MRI Unsafe keep away from magnetic resonance imaging (MRI) equipment.
Indicates that interferences may occur in the vicinity of equipment marked with this symbol.	Indicates the equipotential conductor connection.	Indicates the connection part for the foot switch.

Identifies the manufacturer.	Indicates the date of manufacturing.	Indicates that the device should not be used after the date shown.
Indicates a medical device that is intended for one single use only.	Indicates the part number of the device.	Indicates the serial number of the device.
LOT Indicates manufacturer's batch code.	Defines a temperature range (e.g. for operation, transport or storage).	Defines a relative humidity range (e.g. for operation, transport or storage).
Indicates the range of atmospheric pressure to which the medical device can be safely exposed.	Indicates do not use the device if package is damaged.	Do not dispose of electrical or electronic devices together with unsorted municipal waste (dispose of the device in accordance with local regulations).

Keep away from sunlight.	Contains fragile goods. Handle with care.	Keep away from rain. Keep in dry conditions.
Indicates the maximum vacuum level of the system.	Indicates the flow levels of the system.	Indicates the electrical specifications of the system.

Indicates the weight of the system.	Indicates the dimensions (h x w x d) of the system.	pcs Indicates number of items.
Indicates the item is a medical device.	Indicates recycling of the packaging material defined with the code "XX" and the abbreviation "YYY".	Indicates that the package is capable of being recycled.

Indicates this side up.	Indicates the fuse.	Indicates model number.
Indicates the quantity (x) of individual devices in pack.	Indicates to consult instructions for use.	Indicates the device is sterilized using ethylene oxide.

Indicates a single sterile barrier system.	Indicates a single sterile barrier system with protective packaging outside.	Indicates a carrier that contains unique device identifier information.
Indicates the entity importing the medical device into the locale.	Indicates the entity distributing the medical device into the locale.	

EC REP Indicates the authorized representative in the European Union.	SYMBOLS GLOSSARY (U.S. only) www.medela.com/symbols-glossary
---	---

TECHNICAL DOCUMENTATION

EMC
The Dominant Flex is EMC-tested in conformity with the requirements of IEC 60601-1-2:2014/AMD1:2020 Edition 4.1 according to clause 7 and 8.9. The Dominant Flex is a medical device that requires special safety precautions and must be installed and placed in operation in accordance with the EMC information. The Dominant Flex does not have an essential performance as defined in IEC 60601-1.

- WARNINGS**
- Do not use other accessories than those specified or sold by the manufacturer as replacement parts for internal components as it may result in increased emissions or decreased immunity of the Dominant Flex pump. HF (high-frequency) surgical equipment, radio networks or the like can influence the operation of the device and may not be operated in combination with the Dominant Flex pump.
 - Dominant Flex should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, Dominant Flex should be observed to verify normal operation in the configuration in which it will be used.

Electromagnetic emissions
The Dominant Flex is only approved for the following electromagnetic environments: professional healthcare facility environment and home healthcare environment.

Emission Tests	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	The Dominant Flex uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference with nearby electronic equipment.
RF emissions CISPR 11	Class B	The Dominant Flex is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

Electromagnetic immunity
The Dominant Flex is only approved for the following electromagnetic environments: professional healthcare facility environment and home healthcare environment.

Immunity Tests	IEC 60601-1-2 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	± 8kV contact ± 15kV air	± 8kV contact ± 15kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	± 2kV for power supply lines ± 1kV for input / output lines	± 2kV for power supply lines ± 1kV for input / output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1kV differential mode ± 2kV line-to-earth	± 1kV differential mode ± 2kV line-to-earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0% U_t for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 70% U_t for 25 cycles at 50 Hz single phase: at 0° and for 30 cycles at 60 Hz single phase: at 0° 0% U_t for 250 cycles at 50 Hz and for 300 cycles at 60 Hz	0% U_t for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 70% U_t for 25 cycles at 50 Hz single phase: at 0° and for 30 cycles at 60 Hz single phase: at 0° 0% U_t for 250 cycles at 50 Hz and for 300 cycles at 60 Hz	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Dominant Flex requires continued operation during power mains interruptions, it is recommended that the Dominant Flex be powered from an uninterruptible power supply or a battery.
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	30A/m	30A/m	Power frequency magnetic fields should be at levels of a typical commercial or hospital environment.
Proximity magnetic fields IEC 61000-4-39	8A/m 30kHz – CW 65A/m 134.2kHz – PM 2.1 kHz 7.5A/m 13.56MHz – PM 50kHz	8A/m 30kHz – CW 65A/m 134.2kHz – PM 2.1 kHz 7.5A/m 13.56MHz – PM 50kHz	Magnetic field intensity should be that of a typical or commercial or hospital environment.