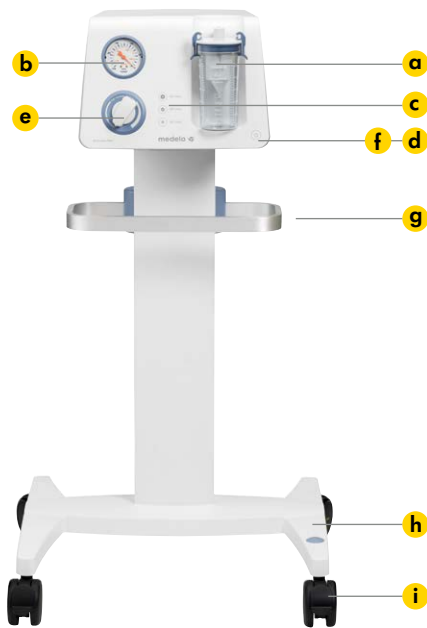


Dominant Flex suction pump

Technical Information



Mobile version



Portable version



Rack version

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/purpose

Intended use of the Dominant Flex suction pump is the creation of a constant vacuum in the range of 0 to -95 kPa.

Indications for use

The Dominant Flex suction pump is indicated for all applications requiring vacuum such as general surgery, liposuction, endoscopy, epicardial ablation, nasopharyngeal suction, neurosurgery, OPCAB, vacuum assisted cesarian/delivery and wound drainage in hospital, clinic and doctors practice settings.

KEY DIFFERENTIATORS

Providing reliable and simple suction, hygienically

The Dominant Flex suction pumps can be used for general suction or as a backup to wall suction in the following applications in the hospital, ambulatory surgery center, clinic and doctors' practice: general surgery, liposuction, endoscopy, airway suction, neurosurgery and wound drainage.

Choose your flow rate

There is now no need to change pumps when you require a different flow rate. The standard operation for Dominant Flex is at 50l/min. When you require a faster vacuum build-up, touch the CleanTouch button for 60l/min. For sensitive operations in which minimal noise is key, just touch the 40l/min button to reduce the noise level.

Choose reliability

Our development process for new pumps always takes customers' needs into account. Medela uses durable materials, tests and retests new designs, and implements intelligent engineering solutions to continue our tradition of providing long-lasting, high-quality pumps.

Choose your hygienic protection

Dominant Flex's housing design, CleanTouch buttons, and the location of its operating elements all help reduce the time needed for reprocessing. For further protection you can choose from a wide range of filters. Our Fluid Collection Systems provide integrated overflow protection and even integrated bacterial filter for the disposable collection system liner.

A simple choice

Our team of experts has successfully combined clever engineering and simple operation. The inner construction of Dominant Flex reduces maintenance. One-touch operation is intuitive and easy, with LEDs indicating the active mode.

- a Safety Set
- b Vacuum gauge in kPa and mmHg
- c Flow change buttons
- d On/off button
- e Vacuum regulator
- f Standby indicator
- g Standard rail
- h Foot on/off switch
- i Four castors with brakes
- j Carrying handle

Product codes

Item numbers	Dominant Flex rack: 071.0003, 101046578 (Brazil only), 101046567 (US and Canada only) Dominant Flex Portable : 071.0002, 101046577 (Brazil only), 101046566 (US and Canada only) Trolley for Dominant Flex/Basic for mobile version: 071.0034
Service manual	200.6365 (EN)

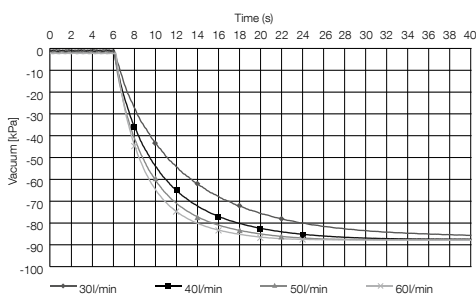
Pump specifications

Max. vacuum [kPa/mmHg]	-95/713 ($\pm 15\%$ tolerance)												
Flow [l/min]	The Dominant Flex provide three user selectable free flow rates of ≥ 40 l/min, ≥ 50 l/min and ≥ 60 l/min at sea level ($p = 1013$ mbar) but not more than 10l/min above nominal flow.												
Dimensions W/H/D [mm/in]	<table border="1"> <tr> <td>Rack version</td> <td>305 (12.0)</td> <td>210 (8.3)</td> <td>375 (14.8)</td> </tr> <tr> <td>Portable version</td> <td>305 (12.0)</td> <td>285 (11.2)</td> <td>375 (14.8)</td> </tr> <tr> <td>Rack/trolley</td> <td>510 (20.1)</td> <td>985 (38.8)</td> <td>470 (18.5)</td> </tr> </table>	Rack version	305 (12.0)	210 (8.3)	375 (14.8)	Portable version	305 (12.0)	285 (11.2)	375 (14.8)	Rack/trolley	510 (20.1)	985 (38.8)	470 (18.5)
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Portable version	305 (12.0)	285 (11.2)	375 (14.8)										
Rack/trolley	510 (20.1)	985 (38.8)	470 (18.5)										
Weight [kg/lbs]	<table border="1"> <tr> <td>Rack version</td> <td>9.3 (20.5)</td> </tr> <tr> <td>Portable version</td> <td>9.5 (20.9)</td> </tr> <tr> <td>Rack/trolley</td> <td>16 (35.3)</td> </tr> </table>	Rack version	9.3 (20.5)	Portable version	9.5 (20.9)	Rack/trolley	16 (35.3)						
Rack version	9.3 (20.5)												
Portable version	9.5 (20.9)												
Rack/trolley	16 (35.3)												
Drive unit	Piston/cylinder technology												
Power consumption [W]	120												
Power consumption [W] in standby mode according to EC standard No 1275/2008	<1												
Noise level [dB(A)]	≤ 50												
Vacuum regulator	Membrane												
Protection against electric shock	Type CF (cardiac floating: max. earth leaking current 10 μ A)												
Medical Device Classification – According to 93/42/EEC and Regulation (EU) 2017/745	Class IIa												
Protection against electric shock	Class I Equipment												
Ingress Protection	IP22												
Equipotential conductor	On pump and on optional trolley												
Housing material	ABS												
On/off button	CleanTouch Technology												
Overflow protection device	Safety Set with mechanical overflow protection												
Warranty [years]	5												
Automatic voltage detection	Yes												
Power cable length [m]	5												
Operating temperature, relative humidity	5 to 40°C / 30–75%												
Transport/storage temperature, relative humidity	-20 to +55°C / 20–95%												
Made in	Switzerland												
Year first sold	2013												
IEC 60601-1: 2005, Edition 3.2 fulfilled	Yes												

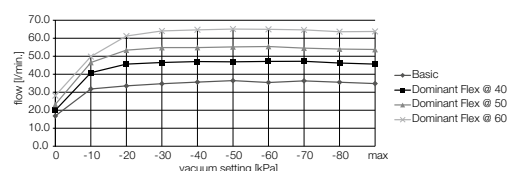
Trolley specifications

Antistatic castors	Yes, all 4
Quantity of castors with brakes	4
Diameter of castors [mm]	75
On/off switch integrated into trolley	Yes
Equipotential conductor on trolley	Yes
Standard rail	Yes

Vacuum Build Up (starting after 6 seconds)



Flow at Various Vacuum Settings



Conclusion: Already at -10kPa the promoted flow rate is reached. The user has full suction capacity at even low vacuum levels.

Conclusion: This chart clearly shows the faster vacuum buildup at 60l/min. The steeper the curve, the faster the vacuum buildup.

Main compatible accessories	
Disposable Collection System	Item number
Suction jar PC, 1.5l	077.0082
Disposable suction liner 1.5l	077.0083
Disposable suction liner 1.5l with solidifier	077.0084
Suction jar PC, 2.5l	077.0085
Disposable suction liner 2.5l	077.0086
Disposable suction liner 2.5l with solidifier	077.0087
Two or more jars from Disposable Collection System	Item number
Change-over valve	077.0563
Serial connection, vacuum	077.0095
Serial connection, patient	077.0160
Trolley for up to 5 additional jars	077.0188
Reusable Collection System	Item number
Reusable 1l set with PSU suction jar with clamp holder	077.0701
Reusable 2l set with PSU suction jar with clamp holder	077.0702
Reusable 3l set with PSU suction jar with clamp holder	077.0703
Reusable 5l set with PSU suction jar with clamp holder	077.0705
Double-reusable 2l set with PSU suction jar	077.0707
Double-reusable 3l set with PSU suction jar	077.0704
Double-reusable 5l set with PSU suction jar	077.0706
Reusable 1l set with PSU suction jar without clamp holder (for portable versions)	077.0715
Reusable 2l set with PSU suction jar without clamp holder (for portable versions)	077.0716
Two or more jars from Reusable Collection system	Item number
Change-over valve	077.0563
Reusable serial connector	077.0542
Trolley for up to 5 additional jars	077.0188
Controls	Item number
Foot on/off switch	077.0723
Foot vacuum regulator	077.0731
Filters	Item number
Disposable virus filter with Medela connection	101035265
Disposable overflow protection/bacteria filter with Medela connection	077.0571
Disposable bacteria filter with Medela connection	077.0573
Disposable bacteria/odour filter with Medela connection	077.0575
Disposable virus filter with overflow protection with Medela connection	101035263
Vacuum Tubing, silicone	Item number
Silicone tubing Ø 7x12 mm, without coupling pieces, 25 m	077.0900
Silicone tubing Ø 7x12 mm, without coupling pieces 1 m	077.0901
Silicone tubing Ø 7x12 mm, without coupling pieces, 2 m	077.0902
Silicone tubing Ø 7x12 mm, without coupling pieces, 5 m	077.0905
Silicone tubing Ø 7x12 mm with 1 coupling piece, 60 cm	077.0912
Silicone tubing Ø 7x12 mm with 1 coupling piece, 100 cm	077.0913
Silicone tubing Ø 7x12 mm with 2 coupling pieces, 30 cm	077.0921
Silicone tubing Ø 7x12 mm with 2 coupling pieces, 60 cm	077.0922
Silicone tubing Ø 7x12 mm, 25 cm, with 1 coupling piece and 1 coupling piece 90°	077.0931
Silicone tubing green Ø 6.5x12.5 mm 180 cm with coupling piece	077.0961
Silicone tubing Ø 7x12 mm, 60 cm, with 1 coupling piece and 1 coupling piece 90°	077.0185
Silicone tubing Ø 5x10 mm, 25 m	077.0970

Patient Tubing, disposable	Item number
Disposable (PVC) tubing, 180 cm, with fingertip, sterile	077.0951
Disposable (PVC) tubing with universal funnels, 150 cm, sterile	077.0184
Disposable (PVC) tubing without coupling pieces, 150 cm, sterile	077.0170
Disposable (PVC) tubing with 1 stepped conical connector, 180 cm, non sterile	077.0952

Patient Tubing, reusable	Item number
Silicone tubing, transparent, 32 cm	077.0053
Silicone tubing, transparent, 120 cm	077.0055
Silicone tubing, transparent, 150 cm	077.0056

Vacuum Assisted Delivery, Single use	Item number
Single Use Silc Cup, Ø 60 mm	077.0791
Single Use Bird Cup, Ø 50 mm	077.0792

Vacuum Assisted Delivery, reusable	Item number
Bird Anterior Suction Cup 60mm, compl. with handle and silicone tubing 150 cm	077.0171
Bird Anterior Suction Cup 50 mm, compl. with handle and silicone tubing 150 cm	077.0172
Bird Anterior Suction Cup 40 mm, compl. with handle and silicone tubing 150 cm	077.0173
Bird Posterior Suction Cup 50 mm, compl. with handle and silicone tubing 150 cm	077.0174
Silc Cup, Ø 50 mm, blue	077.0761
Silc Cup, Ø 60 mm, yellow	077.0762
Silc Cup with trumpet valve, Ø 60 mm	077.0078
CaesAid Cup	077.0080

Optional	Item number
Tubing holder, left side	077.0751
Tubing holder, right side	077.0752
Clampholder, plastic	077.0521
Wall bracket, single	077.0523
Disposable specimen cup, Ø 6–10 mm (for reusable collection system)	077.0562
Disposable specimen cup, Ø 10–14 mm (for reusable collection system)	077.0564
Disposable specimen cup for disposable collection system	077.0094



Medical Vacuum Technology for Healthcare Professionals
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