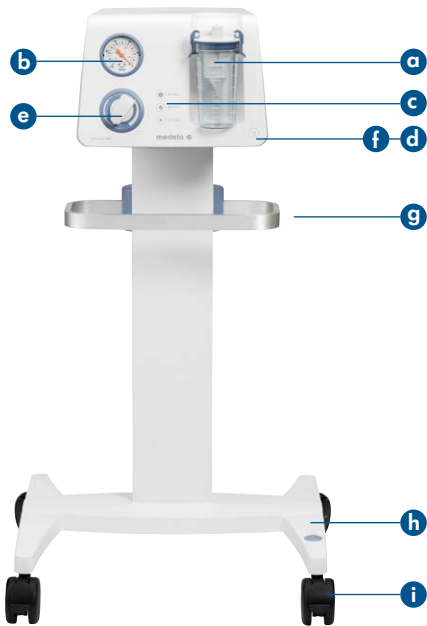


Dominant Flex suction pump

Technical Information



Mobile version



Portable version



Rack version

Introduction

The Dominant Flex is a high-quality suction pump. It is powered by a piston/cylinder system and provides maximum suction performance for many suctioning needs. The Dominant Flex's option of three selectable flow rates gives flexibility depending on surgeon preference. It ideally combines easy handling and cleaning 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

Intended Use of the Dominant Flex suction pump is the creation of a constant vacuum in the range of 0 to -95 kPa. This vacuum can be used for all applications in the hospital, clinic and doctors practice which require a vacuum in this setting such as: general surgery, liposuction, endoscopy, epicardial ablation, nasopharyngeal suction, neurosurgery, OPCAB, vacuum assisted cesarian/delivery and wound drainage.

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 necessary for cleaning. For further protection you can choose from a wide range of filters. Our Fluid Collection Systems provide integrated protection.

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 Membrane 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 Dominant Flex portable 071.0002 Dominant Flex mobile 071.0003 and 071.0034
Service manual	200.6365 (EN)

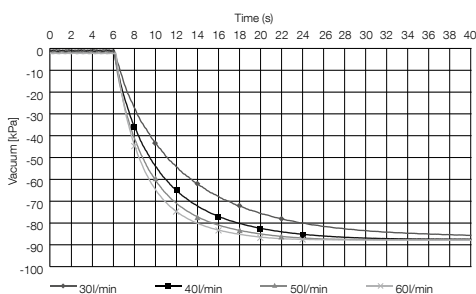
Pump specifications

Max. vacuum [kPa/mmHg]	-95/713			
Flow [l/min]	40, 50, 60 l/min.			
Dimensions [mm]	Rack version	W 305 (12.0)	H 210 (8.3)	D 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)
Weight [kg]	Rack version	9.3	20.5 lbs	
	Portable version	9.5	20.9 lbs	
	Rack/trolley	16	35.3 lbs	
Drive unit	Long-lasting Piston/cylinder technology			
Power consumption [W]	120 (0.16 hp)			
Power consumption [W] in standby mode according to EC standard No 1275/2008	<1			
Rpms [at 40 l/min, 50 l/min and 60 l/min]	63, 79, 102			
Noise level [dB(A)] [at 40 l/min, 50 l/min and 60 l/min]	37.8, 38.4, 39.8			
Vacuum regulator	Membrane			
Protection against electric shock	Type CF (cardiac floating: max. earth leaking current 10 µA)			
Medical Device Classification – According to 93/42/EEC	Class IIa			
Protection against electric shock	Class I Equipment			
Ingress Protection	IP21			
CE Marked	Yes			
Equipotential conductor	On pump and on optional trolley			
Housing design	PC+ABS, Hood, single piece			
On/off button	CleanTouch Technology			
Overflow protection device	Safety Set with mechanical overflow protection			
Warranty [years]	5			
Shelf life [years]	2			
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 +50°C/20–95%			
Made in	Switzerland			
Year first sold	2013			
Approvals	CE, FDA			
IEC 60601-1: 2005, Edition 3.0 fulfilled	Yes			

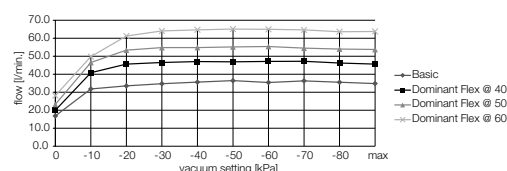
Trolley specifications

4 antistatic castors	Yes, 75 mm diameter
Quantity of castors with brakes	All 4
On/off switch integrated into trolley	Yes
Equipotential conductor on trolley	Yes
Standard rail	Yes

Vacuum Build Up (at 6 seconds)



Flow at Various Vacuum Settings



Conclusion: Already at -10 kPa 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	
Reusable Collection System	Item number
Reusable 1 l set with PSU suction jar with clamp holder	077.0701
Reusable 2 l set with PSU suction jar with clamp holder	077.0702
Reusable 3 l set with PSU suction jar with clamp holder	077.0703
Reusable 5 l set with PSU suction jar with clamp holder	077.0705
Double-reusable 2 l set with PSU suction jar	077.0707
Double-reusable 3 l set with PSU suction jar	077.0704
Double-reusable 5 l set with PSU suction jar	077.0706
Reusable 1 l set with PSU suction jar without clamp holder (for portable versions)	077.0715
Reusable 2 l set with PSU suction jar without clamp holder (for portable versions)	077.0716
Two or more jars	Item number
Change-over valve	077.0563
Reusable serial connector	077.0542
Disposable Collection System	Item number
Suction jar PC, 1.5 l	077.0082
Disposable suction liner 1.5 l	077.0083
Disposable suction liner 1.5 l with solidifier	077.0084
Suction jar PC, 2.5 l	077.0085
Disposable suction liner 2.5 l	077.0086
Disposable suction liner 2.5 l with solidifier	077.0087
Two or more jars	Item number
Change-over valve	077.0563
Serial connection, vacuum	077.0095
Serial connection, patient	077.0160
Controls	Item number
Foot on/off switch	077.0723
Foot vacuum regulator	077.0731
Filters (selection of range)	Item number
Disposable overflow protection/bacteria filter with Medela connections	077.0571
Disposable bacteria filter with Medela connections	077.0573
Disposable bacteria/odour filter with Medela connections	077.0575
Disposable overflow protection/bacteria filter with Medela and conical connections	077.0577
Bacteria filter autoclavable	077.0581
Disposable particle filter with Medela connections	077.0582
Disposable virus filter with overflow protection with Medela connections	101035263
Disposable virus filter with overflow protection with conical connections	101035264
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

Tubing, disposable	Item number
Disposable (PVC) tubing, 180 cm, with fingertip, sterile	077.0951
PVC tubing Ø 12.7x18 mm, 200 cm for patient connection Ø 10–14 mm	077.0963
Disposable PVC tubing, 150 cm CH25, sterile	077.0965

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 50mm, compl. with handle and silicone tubing 150 cm	077.0172
Bird Anterior Suction Cup 40mm, 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
Malmström Suction Cup 60 mm, compl.with handle and silicone tubing 120 cm	077.0175
Malmström Suction Cup 50 mm, compl.with handle and silicone tubing 120 cm	077.0176
Malmström Suction Cup 40mm, compl.with handle and silicone tubing 120 cm	077.0177
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

Tubing, disposable	Item number
Disposable tubing PVC, 150 cm, CH25, with two connectors (for reusable Bird Cups)	077.0184
Disposable PVC tubing, sterile, 150 cm for Malmström Cup and Silc Cups	077.0170

Tubing, reusable	Item number
Silicone tubing, transparent, 32 cm (for Malmström cup to handle)	077.0053
Silicone tubing, transparent, 120 cm (for Malmström handle to pump)	077.0055
Silicone tubing, transparent, 150 cm (for Bird and Silc Cups)	077.0056
Silicone tubing, transparent, 300 cm	077.0164
Silicone tubing, transparent, 200 cm (for CaesAid Cup)	077.0051

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

Optional	Item number
Tubing holder, left side	077.0751
Tubing holder, right side	077.0752
Clampholder, plastic	077.0521
Quiver 280 mm with holder	077.0531
Quiver 480 mm with holder	077.0532
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

CAUTION: Federal law restricts this device so sale by or on the order of a health professional.

Medical Vacuum Technology for Healthcare Professionals

Please contact us or your local Medela representative for details.