



# ARDO Master and Senator

Our new high performance suction pumps for medical and surgical use

New

ARDO - High performance for medical and surgical use



### Reliability - Made in Switzerland

Our many years of experience in the development and manufacture of suction pumps are incorporated for your benefit in the new generation of Master and Senator pumps.



### Well-proven suction pumps with optimized technology and a new, modern design

- ARDO Master suction pump with a suction capacity now increased to 50 l/min - **new**
- ARDO Senator suction pump with a suction capacity of 30 l/min
- The maintenance-free 'LowFriction' piston-cylinder system ensures low vibration and almost silent operation with minimal wear
- Suction strength can be adjusted continuously and precisely
- Rapid vacuum creation of up to 85kPa
- Continuing focus on safety and long operating life
- Reliable '3guard' protective system with float levers integrated in the bottle lids and hydrophobic bacterial filter
- Compact and user-friendly pump with large, integrated recessed grip
- Enlarged, easy to read pressure gauge - **new**
- Emphasis on easy operation
- Both pump and mobile stand equipped with generous fitting rails for bottles and accessories
- Optional: space-saving mobile stand designed to complement pump, with anti-static rollers - **new**
- Many uses in clinics, hospitals and practices
- Various application sets available
- Reusable and disposable bottle systems available



### The innovative technology makes that subtle difference

The high-quality graphite piston and the precision manufactured Pyrex glass cylinder are at the heart of this unique 'LowFriction' piston-cylinder system. The maintenance-free system promises low vibration and virtually silent operation.

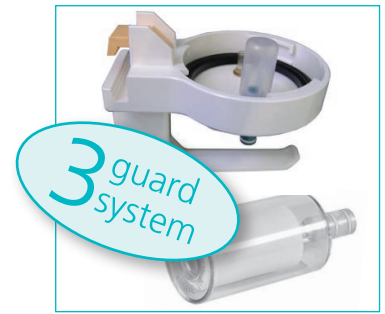
High-quality components combined with Swiss mechanical precision, guarantee excellent functioning. Rapid vacuum creation of up to 85kPa and high suction performance (Master 50 liters/minute and Senator 30 liters/minute) ensure outstanding operation in every application.



## Maximum safety for you and your patients

The '3guard' protective system ensures the best protection and maximum safety in all situations. A sensitive, optimized float lever on the bottle lid minimizes the risk of overflow.

The hydrophobic bacterial filter has a dual function. It closes in case of overflow and foam formation, and thereby prevents contamination of the inside of the pump, while simultaneously providing a highly efficient protection against bacteria.



## As user-friendly as possible

The suction strength can be set to precisely the level required using the sensitive and continuously adjustable vacuum controller. A 63 mm diameter, easily readable gauge shows the selected pressure (kPa and mmHg).

The newly developed housing combines a modern, functional design with compact and practical handling. Cleaning is made easier by the large, easily accessible surface areas, rounded corners and a smooth surface. Perfect ergonomics are guaranteed by the recessed grip integrated within the pump housing and the large vacuum controller.



Both the pump itself and the optional mobile stand are fitted with a long fitting rail. Reusable bottles, disposable systems with different capacities and accessories can be quickly and safely attached, with the stability and easy operation of the pump unaffected.



## Recommended applications

The Master and Senator pumps can be used for many different applications with our application sets:

- ARDO Master application sets are ideal for use in surgical suction and liposuction. ARDO Master is also suitable for dental surgery procedures.
- ARDO Senator application sets are ideal for the removal of secretions, for vacuum extraction, uterine suction and for pleura drainage. The ARDO Senator is also suitable for endoscopy.



### Flexibility through an innovative range of accessories

The newly introduced, space saving mobile stand complements the new pump design perfectly and has been specially developed for demanding daily use in hospitals. Its solid construction with silent-running, anti-static rollers and long-life roller fittings make it extremely stable. The generous fitting rail offers plenty of room for a range of accessories.



Our robust reusable bottles with the user-friendly float lever lid technology are available in 1, 2 and 5 liter versions. The 1 liter and 2 liter bottles are made of TPX material, while the 5 liter bottle is made of polysulfone.



The sealed ARDO disposable system is a genuine alternative to reusable bottles. It offers optimum safety, the simplest possible handling and can be used in a variety of applications.

Other accessories: foot-controlled vacuum regulator, various suction cups, switch-over valves, Apgar timer, practical instrument tray, curettes and various tubes and adaptors.



Technical data	ARDO Master	ARDO Senator
Performance		
Suction capacity	50 liters/minute	30 liters/minute
Vacuum	up to 85kPa, up to 640mmHg	up to 85kPa, up to 640mmHg
Miscellaneous		
Mains voltage/Mains frequency	230 Volts, 50/Hz; 115 Volts, 50/60Hz	230 Volts, 50/Hz; 115 Volts, 50/60Hz
Rated current/Power consumption	0.45A, 110 Watt (230 Volts); 1,2A, 140 Watt (115 Volts)	0.45A, 110 Watt (230 Volts); 1A, 110 Watt (115 Volts)
Protection class/Protection level	Protection class 1, BF, IPX 1	Protection class 1, BF, IPX 1
Dimensions/Weight		
Dimensions without mobile stand	340 x 255 x 280 mm	340 x 255 x 280 mm
Dimensions with mobile stand	1500 x 470 x 570 mm	1500 x 470 x 570 mm
Weight without mobile stand	7.4 kg	7.4 kg
Weight with mobile stand	18.4 kg	18.4 kg
Conformity	<b>CE</b> 0123	<b>CE</b> 0123
Tests/Certificates	MDD 93/42 EWG, EN 60601-1, EN 60601-1-2, EN 10079-1, ISO 13485 (2003)	MDD 93/42 EWG, EN 60601-1, EN 60601-1-2, EN 10079-1, ISO 13485 (2003)