ARDO Master and Senator

Our new high performance suction pumps 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 suction capacity now increased to 50 l/min
- ARDO Senator suction pump with 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 continuously and precisely adjusted
- Rapid vacuum creation of up to 85kPa
- Continuing focus on safety and extended operating life
- Reliable "3guard" protective system with float-levers integrated into the bottle lids, and a hydrophobic bacterial filter
- Compact and user-friendly pump with a large, integrated, recessed hand-grip
- Enlarged, easy to read pressure gauge
- 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
- Many applications in clinics, hospitals and practices
- Adaptable for several different uses
- **New** reusable polysulfon bottle system available
- Disposable bottle system available



Innovative technology makes that subtle difference

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

High-quality components combined with Swiss precision, guarantee optimal functioning. Rapid vacuum creation of up to 85kPa and high suction performance (Master 50 litres/minute and Senator 30 litres/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, optimised float-lever on the bottle lid minimises the risk of overflow.

The hydrophobic bacterial filter has a dual function. It closes in the event of overflow and foam formation, simultaneously preventing internal contamination of the pump, and providing highly efficient protection against bacteria.



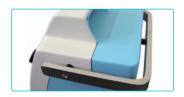
Key-note Aspect: User-friendly operation

Suction strength can be precisely set to the level required, using the sensitive and continuously adjustable vacuum controller. A 63 mm diameter, easy to read dial-gauge shows the selected pressure (kPa and mmHg).

The newly developed compact housing features a modern, functional design which makes for practical handling and easy operation. Cleaning is facilitated by the large, easily accessible surface areas, rounded corners and smooth surface material. The recessed hand-grip, integrated into the pump housing, and the large visible vacuum controller ensure excellent ergonomics.

Both the pump itself, and the optional mobile stand, come with a long fitting rail. Re-usable bottles, accessories, and disposable systems with different capacities, can be quickly and safely attached, while the stability and easy operation of the pump remain unaffected.





Recommended applications

The Master and Senator pumps can be adapted for many different uses with our application sets:

- ARDO Master application sets are ideal for use in surgical suction and liposuction.
 ARDO Master is also especially 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 idealy suited to endoscopy procedures.



Flexibility through an innovative range of accessories

The newly introduced, space saving mobile stand complements the new pump design perfectly. It has been specially developed for the demanding hospital routine, because its solid construction with 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 litre versions. The bottles are made of high strength, or tough polysulphone.

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, a practical instrument tray, curettes and various tubes and adaptors.

* The ARDO disposable system is not available in the United Kingdom.







Technical data	ARDO Master	ARDO Senator
Performance		
Suction capacity	50 litres/minute	30 litres/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	CE 0123	CE 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)

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