

# Suction technology

## MASTER & SENATOR

 ardo  
SWITZERLAND



✓ reliable    ✓ powerful    ✓ quiet

# Reliable, powerful, and quiet

WE ARE TALKING ABOUT THE ARDO SUCTION PUMPS

Both, the Master and Senator suction pumps, impress users thanks to their uncompromising suction power, rapid vacuum generation, and many other benefits:

- ✓ Large vacuum meter simplifies setting and reading the vacuum.
- ✓ High-quality drive unit with glass cylinder and graphite pistons guarantee the highest level of precision and reliability with extremely quiet operation.
- ✓ Hydrophobic bacteria filter for optimal safety.
- ✓ Foot-operated vacuum regulator and foot switch available for hands-free operation
- ✓ Easy-to-clean surfaces for simple hygiene.

The user-friendly pumps with their modern design provide users with optimal support for a wide range of interventions and are whisper-quiet helpers in the background.

## Master

Suction power 50 l/min,  
vacuum up to 95 kPa, 713 mmHg





← incl. fitting rails →

Master & Senator also  
available with foot switch  
for hands-free switching on/off



## Senator

Suction power 30 l/min,  
vacuum up to 95 kPa, 713 mmHg



With the Master vacuum pump, you are choosing the high-performance version from Ardo with an uncompromising suction power of 50 l/min.

#### Approved areas of application:

- ✓ Surgery
- ✓ Dental and oral surgery
- ✓ Veterinary medicine

The Senator is the right choice for all applications with a suction power of up to 30 l/min.

#### Approved areas of application:

- ✓ Endoscopy
- ✓ Gynecology & obstetrics
- ✓ Ear, nose, throat (ENT)
- ✓ General suction of secretions

Ardo pumps are very quiet and extremely low maintenance.



# Why choose an Ardo suction pump?

AN OVERVIEW OF SOME MORE GOOD REASONS



## Optimal safety

The „3guard“ safety system provides optimal protection and the highest level of safety in all situations. The hydrophobic bacteria filter has a double function. It protects the aggregate in case of possible overflow of liquid and foam while also providing highly effective protection against bacteria.

The float integrated into the lid of the suction jar effectively prevents a full suction jar from overflowing.



## High-quality piston system

The glass cylinder with the corresponding graphite pistons forms the heart of the unique „LowFriction“ cylinder/piston system. The self-lubricating, maintenance-free system promises almost silent operation for optimal concentration during application.

The combination of high-quality components and Swiss precision in production ensure excellent functioning. The rapid vacuum generation and high suction power ensure optimal performance for any type of application.



## Reusable accessories

Choose from our reusable accessories according to your needs. Reusable suction jars are available in sizes 1, 2 and 5 liters, made of high-quality polysulfone, autoclavable, and have easy-to-read graduations. The lid fits all jar sizes and the holder for various fitting rails is already integrated in the lid.



## Individual application sets

Assemble your own equipment or select from various pre-configured sets. With the many options available from Ardo, you will always be perfectly equipped for any occasion.

- ✓ Durable and robust trolley
- ✓ Foot-operated vacuum regulator—with a matching holder for the trolley if required
- ✓ Foot switch for hands-free switching on/off
- ✓ Change-over valve for switching between two suction jars
- ✓ Instrument tray suitable for fitting rails
- ✓ Various suction jars



In delicate situations,  
you can rely completely  
on Master and Senator  
suction pumps.



# Technical data

## MASTER & SENATOR SUCTION PUMPS

Performance data	Master	Senator
Suction category	High vacuum / high flow	
Suction power max.	50l/min ±15%	30l/min ±15%
Vacuum meter	0 to -100kPa / 0 to -700mmHg / ±2.5%	
Vacuum regulator	mechanically, continuously 0 to maximum	
Vacuum level max. at	2000m a.s.l.: -72kPa / -540mmHg / ±5% 1000m a.s.l.: -84kPa / -630mmHg / ±5% 500m a.s.l.: -89kPa / -668mmHg / ±5% 0m a.s.l.: -95kPa / -713mmHg / ±5%	

Dimensions	Width x Depth x Height [W x D x H]	Weight
Device	250 x 285 x 335 mm	7.4 kg
Trolley • Castors • Ground clearance	560 x 450 x 660 mm Ø 75 mm 125 mm	10.7 kg
Device with trolley	560 x 450 x 981 mm	18.1 kg

Electrical data	Master 230 V	Senator 230 V	Master 115V	Senator 115V
Mains supply voltage	230 VAC		115 VAC	
Mains frequency	50 Hz		60 Hz	
Power consumption	140W / 0.6 A	115 W / 0.45 A	140 W / 1.2A	115W / 1.0A
Device fuse L/N	T1.25AH / AC250V		T1.60AH / AC250V	
Classification	IIa according (EU) 2017/745			



- 1 Ardo Master or Senator suction pump
- 2 Hydrophobic bacteria filter, 5 pieces are included in the scope of delivery
- 3 Suction jar, available in 1L, 2L and 5L
- 4 Bottle lid with holder for the fitting rail, suitable for all bottle sizes
- 5 Connection tubing with 2 angled coupling connectors, included in the scope of delivery
- 6 Patient tubing with 1 angled coupling connector



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