

**VACUUM EXTRACTOR
BY MALMSTRÖM****VACUUM EXTRACTOR
BY MALMSTRÖM****VAKUUM-EXTRAKTOREN
VON MALMSTRÖM****VENTOUSE OBSTÉTRICALE
MALMSTRÖM****ESTRATTORE PER
VUOTO MALMSTRÖM****VACUÜMEXTRACTOR VAN
MALMSTRÖM****MALMSTRÖM
VAKUUMEXTRAKTOR**

This obstetrical instrument is utilized to assist a clinician in the delivery of an infant.

Important note:
Prior surgery, implants and techniques are the responsibility of the medical practitioner. Vacuum extraction must only be performed or supervised by trained and experienced clinicians. Each physician must evaluate the appropriateness of the procedure based on his or her own medical training and experience.

General information
The Medela stainless steel vacuum extractors come in two different models. The original model by Malmström and the modified model by Bird. Each model consists of three stainless steel suction cups in the sizes 40, 50 and 60 mm diameter. The cups of each model are identical, but the mode of traction and tube connectors vary.

Pump requirements
• This obstetrical instrument has been developed for use in conjunction with an external vacuum source capable of precise vacuum regulation to ensure proper vacuum levels (up to -80 kPa/-600 mmHg).
• The vacuum source should be designed for medical purposes, may be either electric or manual.
• We recommend using the Medela Basic suction pump.
• **Note: Wall suction is not to be used.**

Tubing requirements
The tubing connecting the instrument to the vacuum source is vital for safe and proper function of the instrument. To ensure this, only Medela original tubing should be used.

Expected product life
• For the metal cup, chain and handle: 5 years.
• Tubing: ~60 cleaning/sterilization cycles

Safety rules
If damage – especially to the chains and tubing, the parts may no longer be used.

• Do not use if:
– If the device is damaged.
– If the device shows obvious safety defects.

• No modification of this equipment is allowed.

• Wall suction is never to be used.

• Vacuum extraction must only be performed or supervised by trained and experienced clinicians.

• The neonatal staff must be aware of the indications, contraindications and precautions for assisted delivery and must observe the infant for signs of complication of vacuum assisted delivery.

• Once vaginal delivery should not be performed when the probability of success is low.

• Avoid intrusion of extraneous tissues and ensure proper placement of cup.

• Never apply the cup to any portion of the infant's face as this can cause fetal trauma.

• Placement should be performed carefully to avoid malfunctions, maternal or fetal trauma and/or discomfort.

• The head must be delivered, or almost completely delivered, with no more than three pulls.

• The head must be completely delivered within 15–20 minutes of first applying the cup.

• Never exceed 10 minutes of cumulative traction time.

• Never exceed maximum recommended vacuum: -60 to -80 kPa (-450 to -600 mmHg). During "pop off" [2] – scalp trauma can occur.

• Discourage vacuum extraction if the vacuum cup becomes dislodged or pulls off twice.

• Discourage the procedure if traction does not cause descent of the fetal head.

• Do not pull three times, if the second pull fails to produce good descent.

• Parents must be instructed to check the baby's health.

• The infant has to be observed for several days for possible problems.

Cleaning / Disinfection / before use
• After use soak the suction cups and tubing of room temperature for 30 minutes in disinfection solution A).

• After the reaction time, rinse the residue from the parts with water.
• Rinse the tubing.

• Remove locking ring, tubing and bottom plate (with a finger, with forceps or by pushing a small wooden rod through the hole).

• Clean all metal parts (locking ring and bottom plate with a brush and cleaning agent B).

• Replace the bottom plate with a new one when satisfactory cleanliness cannot be obtained.

• Rinse the tubing for at least 2 minutes with the cleaning solution B).

• The parts should be free from residue and foreign particles.

• Rinse the parts and the tubing with water (preferably fully descaled) for 2 minutes.

• Then dry the parts with a fiberless cloth.

• Hang the tubing up overnight to dry.

• Fluid aldehydefree disinfection solution with cleaning effect for use as a soaking bath, sterilization bath, rinsing bath and with good material compatibility for stainless steel, non-ferrous metals and plastics including silicone, slightly alkaline. For validation of the procedure a 2% neodisher® Septo MED.

• Fluid pH-neutral, enzymatic cleaning solution for the treatment of instruments by machine or manually with very good material compatibility for stainless steel, non-ferrous metals and plastics including silicone.

• For manual use: 1 part to 1000 parts of a neutralizing solution.

• Manufacturer of the solution mentioned: Chemische Fabrik Dr. Weigert GmbH&Co. KG, Mühlhagen 85, 20539 Hamburg, Germany (www.drweigert.de).

• Technical information of the manufacturer of the solution mentioned: Dr. Weigert GmbH & Co. KG, Mühlhagen 85, 20539 Hamburg, Germany.

• **Hinweis: Wand-vakuum darf nicht verwendet werden.**

Reinigungsanforderungen
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Notes

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