

MELAdem® 40

Water Treatment System

MELAjet®

Spray-pistol

Quality assurance for sterilization

MELAdem®40 supplies high-quality demineralized water for the steam generation in an autoclave. The water storage tank of a conventional autoclave can be directly filled with demineralized water from the MELAjet® pistol. Likewise the MELAdem®40 can be directly connected to the MELAG Europe autoclaves Vacuklav® and Euroklav® to automatically feed high quality demineralized water for each sterilization cycle. Of course, you can also use the MELAdem®40 anywhere else for any application requiring good water quality.

Quality assurance for Instrument preparation

The MELAdem®40 Water Treatment System supplies high-quality demineralized water. The MELAjet® spray pistol uses the tap water pressure to remove residues after cleaning and disinfecting Instruments before sterilization. MELAjet® offers you two spray selections: the wide-area spray setting for general instrument surfaces, or the concentrated water jet for special cleaning of hard-to-reach instrument parts such as those of hinged Instruments, dental forceps, scissors, needle carriers, etc.



Possibilities for streamlining

Expenses in the hygiene area generally represent 20 ... 30% of the entire operating costs in a practice (not including outside lab fees). A nurse, for example, should be relieved of unproductive work to use her time more profitably: e.g., prophylactic treatment, consulting, etc. Expenses incurred for sterilization are primarily costs for the following:

- Purchase of aqua dem / aqua dest for the autoclave.
- Checking of the water quality and the water level in the storage tank.
- Weekly emptying of the storage tank of the autoclave, and thorough cleaning of the autoclave.
- Disposal of the empty distilled-water containers



MELAJet® - for wide-area spray jet



MELAJet® - for a concentrated water jet

Installation

MELAdem®40 can be installed directly to a Vacuklav®, Vacuquick® or Euroklav®. MELAdem®40 can also be mounted on the wall, or can be simply placed in a sub cabinet. It is attached directly to the tap-water line, and is immediately ready for use after connection to a normal tap-water line.



MELAdem®40 and MELAJet® connected to a Vacuklav®

Quality und precision for most exacting hygienic requirements

More than 50 years ago, MELAG began in Berlin to specialize in the manufacture of sterilization equipment. As a result of high-level quality consciousness, reliability, and innovative eagerness – together with the highest in safety objectives – the family-run enterprise MELAG has succeeded in becoming a leading

producers of sterilization equipment. Verification of this success has been the sale of more than 355,000 MELAG units around the world. Decades of experience, modern computer-aided production technology in application on over 7,000 sq. metres of production floor, the employment of highest-quality materials, and an experienced and reliable staff – all these have made MELAG equipment renowned for its quality and convenience of operation. MELAG corporate policy includes systematic specialization in a limited line of products. In this way it is possible for MELAG as a suc-

Poor water quality

Any natural water will contain dissolved salts. The concentration of pollutant salts in tap water will vary depending on the water source and its type of extraction. Content of chloride and other constituents, even at low concentrations, can cause spots on instruments. In case of lengthy exposure times, especially with chloride residues, penetration of the passive layer (formed with oxygen from the air) and initiation of rusting are possible, even on stainless-steel instruments.

Water-Quality Monitor



We recommend to check the quality of demineralized water produced by MELAdem®40 if it is connected to an autoclave without integrated water-quality measurement. The quality monitor (art. no. 45008) is not necessary when MELAdem®40 is connected to Vacuklav®, Vacuquick® or Euroklav®.

Technical data of MELAdem®40:

Housing (W x H x D):	32 x 35 x 15cm
Weight (filled with resin):	2.4 Kg
Max. water pressure:	10 bar
Quality of the produced water:	1 – 5µS/cm
Bacteriological quality:	Pure water
Possible yield of one filling for 600µS/cm tap water quality:	120 litres
Resin (2 cartridges):	Order no. 61026



cessful medium-size business to employ its highly specialized development team to effectively satisfy market demands and to further develop the MELAG line of products on a leading international level. The entire MELAG staff is proud to have made an important contribution to the protection of the health of patients and of medical staff, with the equipment and accessories it produces for reliable sterilization and safe storage of sterilized articles.

MELAG

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