

PRODUCT DATA SHEET

MYTRONIC BOTTLE SYSTEM



DESCRIPTION AND VARIATIONS

The Mytronic Bottle System is used to supply water to dental treatment units and in particular to the dental instruments connected to them. Another function is to disinfect and prevent algae growth in the water paths in the dental instrument, including the Mytronic Bottle System, via a disinfecting solution filled into the water bottle.

The Mytronic Bottle System is available for different pre-requisites:

- Mounting on unit version with/without mounting bracket
- Mounting on unit version, cup filler, with/without mounting bracket
- Built in unit version

The integrated stop valve enables the water bottle to be screwed in and out while the system is switched on. The safety pressure regulator reduces the inlet pressure to 2 bar and includes a type-tested safety valve.

Only the Mytronic water bottle may be used. Individual labeling of the water bottle is possible. The labeling is located in the screwed-in state front on or offset by 180° to the connection hoses.

The warranty of Mytronic Bottle Systems is 12 months from the date of purchase. For more information see the Mytronic Terms and Conditions.

ADVANTAGES

- Easy conversion from central water supply to independent bottle system
- Automatic stop of compressed air for bottle change
- Medical device class 1 according to MDR
- Individual labeling or laser engraving of the bottle according to customer requirements possible
- Volume of the water bottle up to the filling level mark: approx. 1 litre
- Validated reprocessing
- Easy filling and cleaning due to large bottle neck
- Different versions available for mounting and as cup filler with larger flow rate

TECHNICAL DATA

Minimum connection pressure – air	2 bar
Maximum connection pressure – air	6 bar
Ambient temperature for storage/transport	-20°C to 70°C
Humidity for storage/transport	5 to 95%
Temperature for storage/transport	3°C to 50°C
Humidity for use	5 bis 95%
Weight	approx. 0,5 kg
Dimensions	approx. 9 x 30 x 10 cm

ASSEMBLY NOTE

Assembly may only be carried out by trained specialists or personnel trained by Mytronic. The compressed air supply line must be mounted once on the safety pressure regulator. The use of force must be avoided.

The hole patterns for preparing the mounting are included with the corresponding versions. The mounting method differs for the various versions and can be found in the individual hole patterns.

All variants of the Mytronic Bottle Systems are attached to the treatment center by screws.

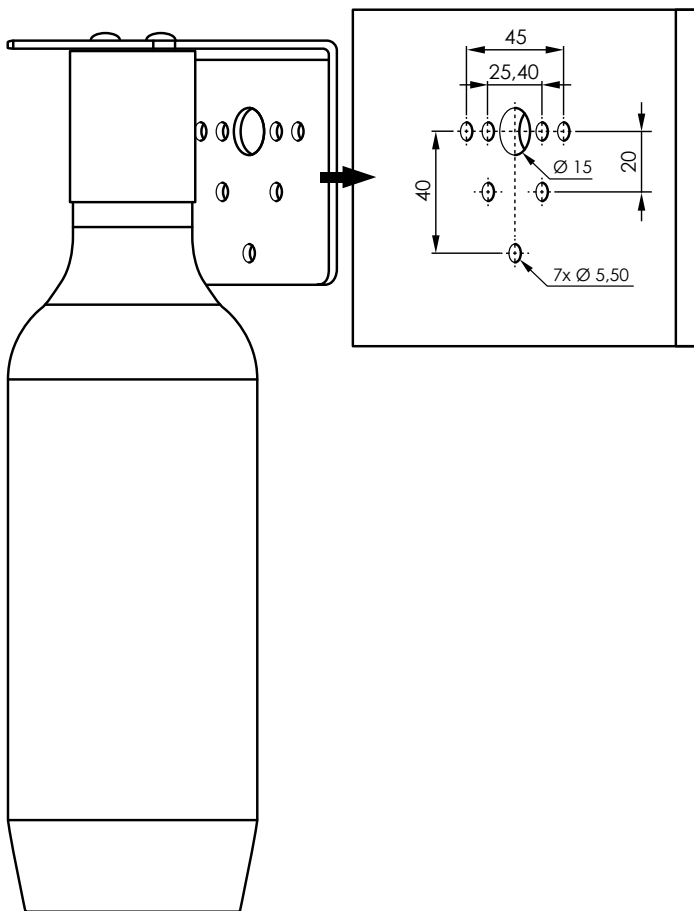


MOUNTING ON UNIT VERSION WITH MOUNTING BRACKET

PRODUCT DATA

Item number	851.405.**
Available colors mounting bracket*:	- white (stainless steel, powder coated) RAL 9007
*similar to RAL	- Stainless steel blank RAL 9011
Weight	approx. 500 g
Air hose blue	approx. 1,5 x 3,45 x 500 mm
Water hose green	approx. 1,7 x 3,2 x 500 mm
Water flow rate	approx. 760 ml/min
Connection air to Reducing valve	- for fixed hoses OD 4 mm - for flexible hoses ID 1,5 mm
Stop valve	existing
Cup filler	available
Item number	851.605.**
Water hose green	approx. 3,0 x 4,5 x 500 mm
Water flow rate	approx. 2.155 ml/min

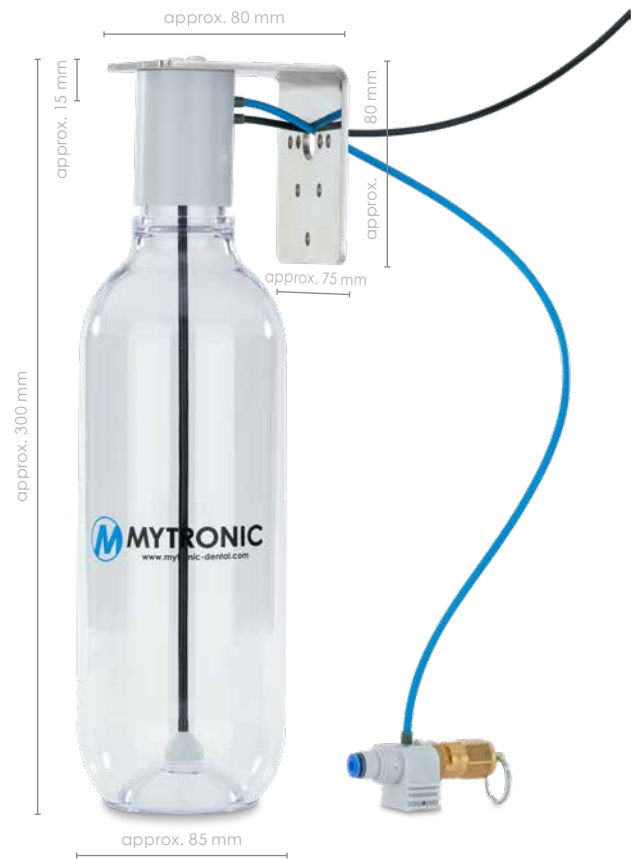
MOUNTING



ASSEMBLY STEPS

1. Drill hole \varnothing 15 mm in plate
2. Drill hole \varnothing 5.5 mm min. 3 in plate
3. Fasten mounting bracket with M5 pan-head screws

VIEW AND DIMENSIONS



GENERAL INFORMATION

This version can be used for wall assembly or mounting on a dental treatment unit.

STANDARD VERSIONS



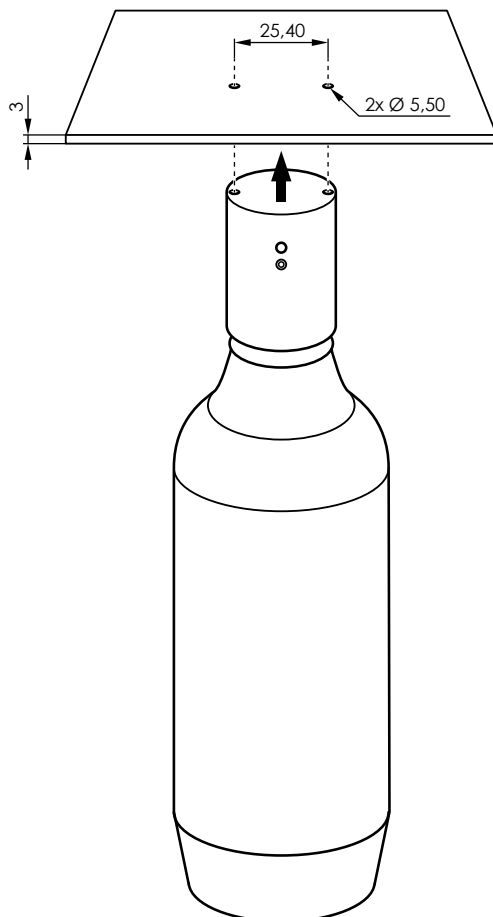
Air hose = blue
Water hose = green

MOUNTING ON UNIT VERSION

PRODUCT DATA

Item number	851.407.**
Available color*: *similar to RAL	grey RAL 7035
Weight	approx. 300 g
Air hose blue	approx. 1,5 x 3,45 x 500 mm
Water hose green	approx. 1,7 x 3,2 x 500 mm
Water flow rate	approx. 760 ml/min
Connection air to Reducing valve	- for fixed hoses OD 4 mm - for flexible hoses ID 1,5 mm
Stop valve	existing
Cup filler	available
Item number	851.607.**
Water hose green	approx. 3,0 x 4,5 x 500 mm
Water flow rate	approx. 2.155 ml/min

MOUNTING



ASSEMBLY STEPS

1. Drill 2x hole \varnothing 5.5 mm in plate
2. Align Mytronic Bottle System with the holes
3. Fasten Mytronic Bottle System with M5x12 screws

 Mounting example with a panel thickness of 3 mm.

VIEW AND DIMENSIONS



GENERAL INFORMATION

This version without mounting bracket is used for mounting from below onto a table, worktop or dental treatment unit.

STANDARD VERSION



BUILT IN UNIT VERSION

PRODUCT DATA

Item number	851.20.**
Available color*: *similar to RAL	grey RAL 7035
Weight	approx. 300 g
Air hose blue	approx. 1,5 x 3,45 x 500 mm
Water hose green	approx. 1,7 x 3,2 x 500 mm
Water flow rate	approx. 760 ml/min
Connection air to Reducing valve	- for fixed hoses OD 4 mm - for flexible hoses ID 1,5 mm
Stop valve	existing
Cup filler	not available

MOUNTING



ASSEMBLY STEPS

1. Drill $\varnothing 29.60$ mm hole in plate
2. Drill 2x hole $\varnothing 4.30$ mm in plate
3. Insert Mytronic Bottle System into $\varnothing 29.60$ mm hole and align with $\varnothing 4.30$ mm holes
4. Fasten Mytronic Bottle System with M4x12 screws

 Maximum plate thickness: 2.5 mm

VIEW AND DIMENSIONS



GENERAL INFORMATION

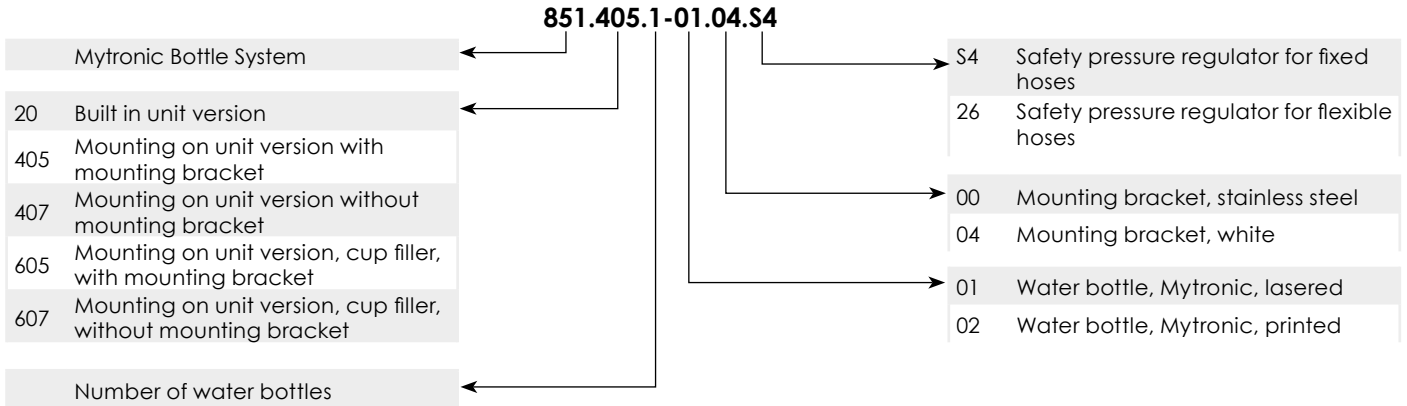
This version is prepared for mounting from below in a treatment unit.

STANDARD VERSION



Air hose = blue
Water hose = green

ORDER NUMBER KEY



If an optional article is not required, the order number can be as follows:

Mytronic Bottle System built in unit version with safety pressure regulator for flexible hoses
 851.20.26


Order example:

Mytronic Bottle System mounting on unit version with white mounting bracket, water bottle with lasered Mytronic logo and safety pressure regulator for fixed hoses 851.405.1-01.04.S4

ACCESSORIES


An overview of Mytronic water bottles is available in the online shop:
www.mytronic-dental.com

- Water bottle with Mytronic logo, lasered. 851.500.01
- Water bottle with Mytronic logo, printed. 851.500.02
- Water bottle lid 851.510

 Other inscriptions on the water bottle are available on request.

Safety pressure regulator for flexible hoses
 8101.59904.20.26.26

Safety pressure regulator for fixed hoses
 8101.59904.20.S4.26

 The safety pressure regulator for fixed hoses requires a hose with an outer diameter of 4 mm.

WEAR AND REPLACEMENT PARTS

Information on wear and replacement parts is available in the online shop:
www.mytronic-dental.com

- Riser pipe with fine filter 8101.85550.05
- Fine filter 350.722



Easy fine filter change



SERVICE/MAINTENANCE

A regular recurring inspection of the Mytronic Bottle System including accessories for function and safety is required and should be performed at least once a year, unless shorter intervals are required by legal regulation. Maintenance may only be carried out by an authorized service partner and must include the following points:

- Visual inspection of the outside.
- Check for safety-relevant changes, e.g. mechanical damage to the product.
- Replace damaged or leaking O-rings immediately if the product is equipped with them.
- Please do not use sharp tools for this purpose.

The quality of the compressed air and water must be ensured by regular maintenance of the compressor or the filter systems must be maintained. Quality according to DIN EN ISO 7494-2-2015 for dental treatment units, air and water systems.

STANDARDS

The Mytronic Bottle System is a medical device class 1 according to MDR. All of the following standards have been taken into account:

- DIN EN ISO 17664-1:2021 Reprocessing of medical device
- DIN EN ISO 10993-1 Biological evaluation of medical devices
- DIN EN ISO 7494-1-2018 Dental treatment units
- DIN EN ISO 7494-2-2015 Dental treatment units
- DIN EN ISO 60601-1 Medical, electrical equipment (pressure test)
- DIN EN 1717:2011-08 Protection of drinking water from contamination
- DIN EN ISO 13485:2021-12 Medical devices Quality management systems
- DIN EN ISO 14971-2019+A11 2021 Application of risk management to medical devices
- DIN EN 62366-1:2021-08 Medical devices - Part 1: Application of usability to medical devices
- DIN EN ISO 21530:2004 Materials for dental equipment surfaces



NOTE

The above data are guide values and do not release you from your own examination of our specifications and our products with regard to their suitability for the intended processes and purposes. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The right to further technical development of the product is reserved.

*Water bottles and wear parts such as O-rings and gaskets are excluded.

LIFETIME OF THE PRODUCTS

Typical lifetime when used as intended given proper cleaning and care:

- non-moving components approx. 5 years
- moving parts approx. 3 - 5 years*

This does not constitute a warranty claim. To ensure a long lifetime of the product, it is essential to use dry and oil-free compressed air according to DIN EN ISO 7494-2-2015. The product lifetime and the functionality of the medical product are significantly influenced by mechanical stress and chemical influences due to reprocessing.

The water bottles must be cleaned and disinfected in accordance with the reprocessing validation. With proper cleaning and care, the water bottles have a shelf life of one year.

The use of calciferous and unfiltered water can cause the Mytronic Bottle System to clog prematurely, which can lead to functional limitations.

DISPOSAL

Potentially contaminated parts must be decontaminated before disposal.

Non-contaminated parts (e.g. electronics, plastic parts, metal parts, etc.) must be disposed of in accordance with the locally applicable disposal regulations. If you have any questions about proper disposal, please contact your dental dealer.



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