



Directions for use |



## QAQC LAB POWER LIQUID SAMPLER

## English

### General safety requirements

- ▶ Read these directions for use carefully before using.
- ▶ Keep these directions for use where they will be accessible for all users.
- ▶ Failure to comply with the directions for use shall render all warranty conditions null and void and may lead to personal injury and material damage.
- ▶ The instrument must only be used by qualified skilled employees.

### Safety instructions before using

- ▶ Follow the manufacturer's instructions and safety instructions of the medium you are sampling.
- ▶ Damage to the respiratory tract and other organs due to off-gassing media. Use in ventilated rooms or under a suitable exhaust hood.
- ▶ This instrument is not suitable for sampling highly flammable media. Not suitable for EX areas.

### Safety instructions during and after use

- ▶ The instrument must only be used within the confines of applicable material resistance and for its designated purpose. Any other type of use will affect the warranty/guarantee.
- ▶ Protect the device from moisture.

- ▶ Do not store the instrument with filled sample bottle.
- ▶ The instrument is not suitable for cleaning in a dishwasher.

#### NOTE!

- Before using, the instrument has to be cleaned to the extent of your (validated) cleaning process.
- ▶ Measures of manual cleaning have to be carried out in the cleaning/desinfection area and under consideration of occupational health and safety.
  - ▶ Pay attention to the material resistance.

#### NOTE!

- Follow the cleaning and maintenance instructions for the Bosch drive unit and pump head.

### Layout and function

- ▶ The instrument is suitable for sampling liquids (max. 500 mPas) from a maximum suction depth of 5 m.
- ▶ The instrument is suitable for sampling liquids from 0 - 40 °C.
- ▶ The instrument is only suitable to take samples and not for continuous operation.
- ▶ The instrument is suitable for filling open sampling bottles.
- ▶ Only use the instrument with the recommended

sample bottles specified in the accessories.

- ▶ Protect the instrument against effects of weather exposure during storage.

#### Parts in contact with medium

- ▶ PE (Suction hose)
- ▶ PP (Hose connector)
- ▶ Marprene (Pump hose)
- ▶ LDPE (Sample bottle)

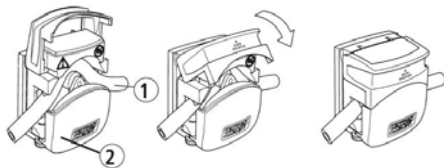
#### Scope of delivery

1 x	Pump hose, Marprene, 30 cm	①
1 x	Pump head	②
1 x	Suction hose, PE, 5 m	③
1 x	Hose connector, PP	④
1 x	Bottle basket	⑤
1 x	Sample bottle, LDPE, 250 ml	⑦
1 x	Bosch drive unit	⑩
2 x	Rechargeable battery	⑭
1 x	Battery charger	⑮

- ▶ Check delivery for completeness and transport damage.
- ▶ Point out any damage in the packaging to the freight forwarder/supplier immediately.

#### Assembly

1. Insert the pump hose ① into the pump head ②.



2. Cut the suction hose ③ off to the required length and attach it to the pump hose ① with the hose connector ④.
3. Fix the bottle basket ⑤ in place with the tightener ⑥.

#### CAUTION!

The mounting bracket may break.

- ▶ Do not load the suspension too heavily (max. 2 kg).
- ▶ Check the bottle basket to ensure it is properly seated. Allow the end of the holding rod to protrude out about 5 cm upward.
- ▶ Wear appropriate protective clothing.

4. Place the sample bottle ⑦ in the bottle basket ⑤.
5. Insert the pump hose ① about 1 - 3 cm into the sample bottle ⑦.

#### NOTE!

Allow the pump hose to protrude loosely into the sample bottle.

#### CAUTION!

Bursting of hoses and hose connectors due to wear or chemical stress.

- ▶ Carry out a visual inspection every time before using.

6. Place the pump attachment ⑧ in the holder ⑨ of the Bosch drive unit ⑩. Turn the locking ring ⑪ until you hear it snap into place.

#### NOTE!

Follow the safety instructions for the Bosch drive unit and pump head.

#### Safe sampling

#### CAUTION!

Possibility of electrical shock.

- ▶ Follow the instructions of the drive manufacturer/battery charger manufacturer.

1. Set the gear selector switch ⑬ to „Gear 1“ (low speed range).
2. Lower the suction hose ③ into the sample liquid.
3. Press the On/Off switch ⑫ to take the sample.

#### CAUTION!

Risk of atomisation. Ingress of liquids in the instrument.

- ▶ In case of uncontrolled escape of hazardous liquid, interrupt the sampling immediately and remove the Bosch drive unit.
- ▶ Contact the dealer or manufacturer.

#### NOTE!

For higher pumping heights it may take a while for the hose to be completely filled.

#### ⚠ WARNING!

Bodily injury due to escaping media if the sample bottle is overfilled.


- ▶ Do not overfill the sample bottle.
- ▶ Wear appropriate protective clothing.

4. To end sampling, release the On/Off button ⑩.

#### After taking the sample

##### NOTE!

Do not set the instrument down with the sample bottle filled. Remove the Bosch drive unit before setting it down.

1. Turn the pump head ② in the direction of  and pull it off the holder ⑨.
2. Remove the pump hose ① from the pump head ②.

3. Take the sample bottle ⑦ out of the bottle basket ⑤ and close it.

##### WARNING!

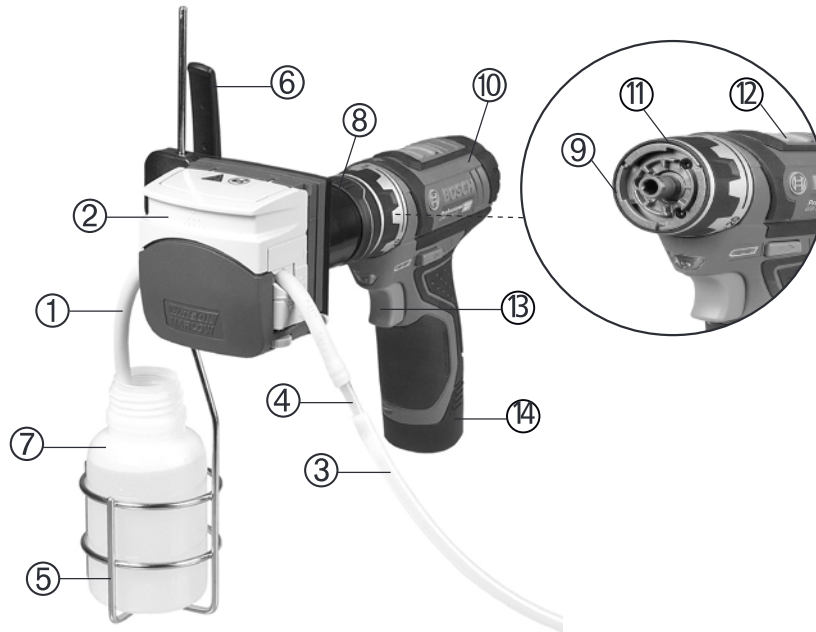
Personal injury due to escaping media if the sample bottle is removed and the suction hose is taken out of the instrument.

- ▶ Disassemble the instrument carefully.
- ▶ Wear appropriate protective clothing.

4. Loosen the bottle basket ⑤ with the tightener ⑥.
5. If necessary rinse the hoses and hose connector with a pH-neutral liquid.

#### Accessories

Type	Specification	Number	Item No.
Suction hose Marprene for Vampire	100 cm	1	711 53270508
Sample bottle LDPE	250 ml	1	711 03180250
Sample bottle LDPE	500 ml	1	711 03180500
Sample bottle LDPE	1000 ml	1	711 03181000
Suction hose PE on roll 6 x 8 mm	Roll with 10 m	1	711 88050608
Suction hose PE on roll 6 x 8 mm	Roll with 100 m	1	711 88780608
Basket for sample bottle 250 ml	Ø 68 mm	1	711 53022025
Basket for sample bottle 500 ml	Ø 84 mm	1	711 53022051
Basket for sample bottle 1000 ml	Ø 100 mm	1	711 53022101



Nr.	Deutsch	English	Español	Français	Русский
①	Pumpenschlauch	Pump hose	Manguera de bomba	Tuyau de pompe	Шланг насоса
②	Pumpenkopf	Pump head	Cabeza de bomba	Tête de pompe	Головка насоса
③	Saugschlauch	Suction hose	Manguera de succión	Tuyau d'aspiration	всасывающий шланг
④	Schlauchverbinder	Hose connector	Conector de manguera	Raccord de tuyaux	Соединителей для трубок
⑤	Flaschenkorb	Bottle basket	Cesta para botella	Panier pour flacon	Корзина для бутылей
⑥	Spanner	Tightener	Cierre	Tendeur	Натяжитель
⑦	Probenflasche	Sample bottle	Botella de muestras	Flacon d'échantillonnage	Бутыль для образцов
⑧	Pumpaufsatz	Pump attachment	Acoplador de bomba	Raccord mâle	Насосная насадка
⑨	Aufnahme	Holder	Alojamiento	Raccord femelle	Крепление
⑩	Antriebseinheit Bosch	Bosch drive unit	Unidad de accionamiento Bosch	Moteur Bosch	Приводной блок Bosch
⑪	Feststellring	Locking ring	Anillo de fijación	Anneau de serrage	Стопорное кольцо
⑫	Gangwahlschalter	Gear selector switch	Selector de velocidad	Sélecteur de vitesse	Переключатель скорости
⑬	Ein-/Ausshalter	On/Off switch	Interruptor de encendido y apagado	Interrupteur Marche/Arrêt	Выключатель
⑭	Akku	Rechargeable battery	Batería	Accu	Аккумулятор