

Nr.: 0011-R02e  
2018-03-13

## Operating Instructions

According to the  
Betriebssicherheitsverordnung

UNIVERSITÄT  
DUISBURG  
ESSEN

Offen im Denken

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

Activity: Laboratory work

### EQUIPMENT

#### HNO<sub>3</sub> subboiling apparatus

### DANGERS FOR HUMANS AND ENVIRONMENT



- Working with hot concentrated nitric acid
- Risk of thermal and caustic burns

### PROTECTIVE MEASURES AND RULES OF CONDUCT



- Wearing the PPE: gowns, glasses, protective gloves.
- Always operate the device in the fume hood!
- Before switching on, turn on the cooling water and check the flow (Aquamobil).

### RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Maria Madani, if not present O. Schmitz, M. Sulkowski, F.Uteschil, S. Meckelmann.

### BEHAVIOR IN CASE OF ACCIDENT / FIRST AID



- Keep calm.
- Call first responders.
- Emergency call: 0112
- Report accident.

## MAINTENANCE / DISPOSAL

- Maintenance only by authorized, competent persons.
- Switch off the device and disconnect it from the mains.
- Regular inspection of wearing parts.
- Regelmäßige Kontrolle von Verschleißteilen.