

Nr.: 0003-R02e  
2018-02-14

## OPERATING INSTRUCTIONS

Gemäß Betriebsicherheitsverordnung

UNIVERSITÄT  
DUISBURG  
ESSEN

*Offen im Denken*  
Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

Activity: Laboratory work

### EQUIPMENT

#### Ausdämpfapparatur ADA 1

### DANGERS FOR HUMANS AND ENVIRONMENT



- Risk of glass breakage and associated hazards.
- Working with hot concentrated nitric acid.
- Risk of burns and caustic burns.

### PROTECTIVE MEASURES AND RULES OF CONDUCT



- Wear the PPE: lab coat, glasses, protective gloves.
- Carefully sort clean glassware and watch out for the risk of injury.
- Always operate the device in the fume hood.
- Never pour cold acid into the hot bowl.
- Only remove glass lid and container when cold, paying attention to adhering  $\text{HNO}_3$ , free the benchtop area from acid residues.

### 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.