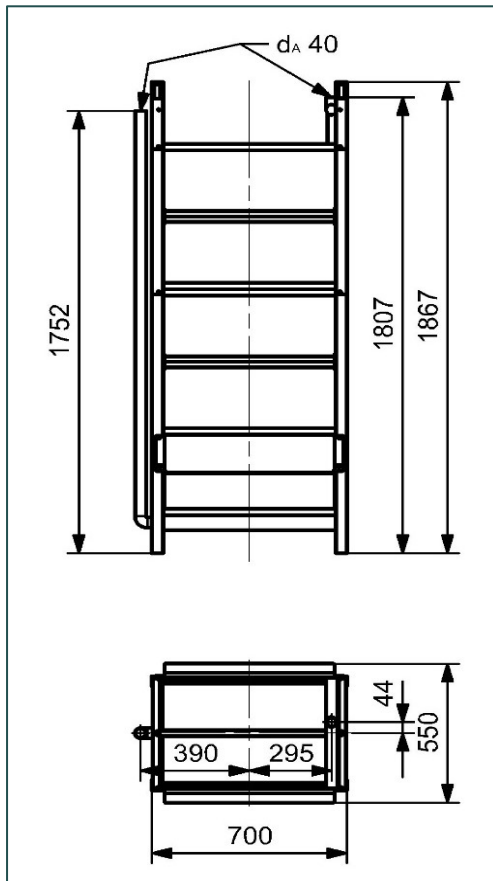


AQQA®

technical data sheet **AQQA®50** Article-No. 80100011 including
AQQA® aeration unit Article-No. 80100001

Complete pre-assembled unit for the filtration of water with submerged membrane plates. The unit comprises:

- AQQA® membrane plates
- 2 pc. AQQA®25 frame
- 1 pc. AQQA® aeration unit with plate diffusers for medium size air bubbles



| parameter | unit | value |
|---|--------------------|---------------------|
| dimension of filter housing (incl. flange for aeration) | l x w x h mm | 760 x 550 x 1867 |
| air connection | d mm | 40 |
| filtrate connection | d mm | 40 |
| number of AQQA® membrane plates | | 104 |
| total membrane surface area | m ² | 50 |
| typical design flow in MBR ¹ | m ³ /h | 1,5 |
| max. flow in MBR ¹ | m ³ /h | 2,5 |
| max. air flow | Nm ³ /h | 40 |
| design air flow | Nm ³ /h | 30 |
| filtration pressure | mbar | -30 ...-500 |
| backflush pressure | mbar | 350 |
| pore size nominal | µm | 0,04 |
| frame material | | 1.4301 |
| frame material (optional) | | 1.4571 |
| membrane material | | PES |
| max. operating temperature | °C | 50 |
| max. pH-range | | 1-12 |
| weight dry | kg | 120 |
| weight wet | kg | 175 |

¹ depending on wastewater characteristics