



CE  
10  
EN 12566-3





# SMALL BIOLOGICAL WWTP – TYPE SYMBOLS AQ4, AQ8, AQ12

## Small biological waste water treatment plants

serve to treat waste water produced by small-size sources like e.g. family houses, blocks of apartments, small social facilities and so on. They allow advanced and financially advantageous disposal of rinse waste water.

**From the point of view of output the WWTPs with the AQ type symbol are produced in following sizes:**


- AQ4 – treatment of waste water produced by 3 – 6 PE
- AQ8 – treatment of waste water produced by 7 – 10 PE
- AQ12 – treatment of waste water produced by 11 – 15 PE

One equivalent person –PE – 120 – 150 litres of water/person/day, 60 gr BOD<sub>5</sub>.

**Advantages of the house waste water treatment plant of the AQ type for the household and for the environment:**

- quick return of invested funds
- economically advantageous disposal of waste water
- requirement for a minimum built-up area
- easy installation
- undemanding maintenance
- odourless operation
- high quality of treated water – in accordance with the Government Directive No. 269/2010

### Certificates for AQ:

-  The certificate according EN 12566-3+A1: 2009 ZA
- The affirmative report No. 14070/98 – SOZO/SZÚ SR have been issued by the Minister of Health
- The certificate TI SR No. 1408/4/1999 – STR for biological WWTPs of the AQ type range.



Size range:	Unit	AQ4	AQ8	AQ12
Output	EO	3 - 6	7 - 10	11 - 15
Diameter	m	1.3	1.3	1.5
Reactor height	m	1.5	1.9	2.2
Useful volume of the reactor	m <sup>3</sup>	1.4	2.5	3.2
Blow pump power absorbed	W	60	100	120
Weight – empty container	kg	60	75	140
Weight – full container	kg	1,520	2,240	3,400

