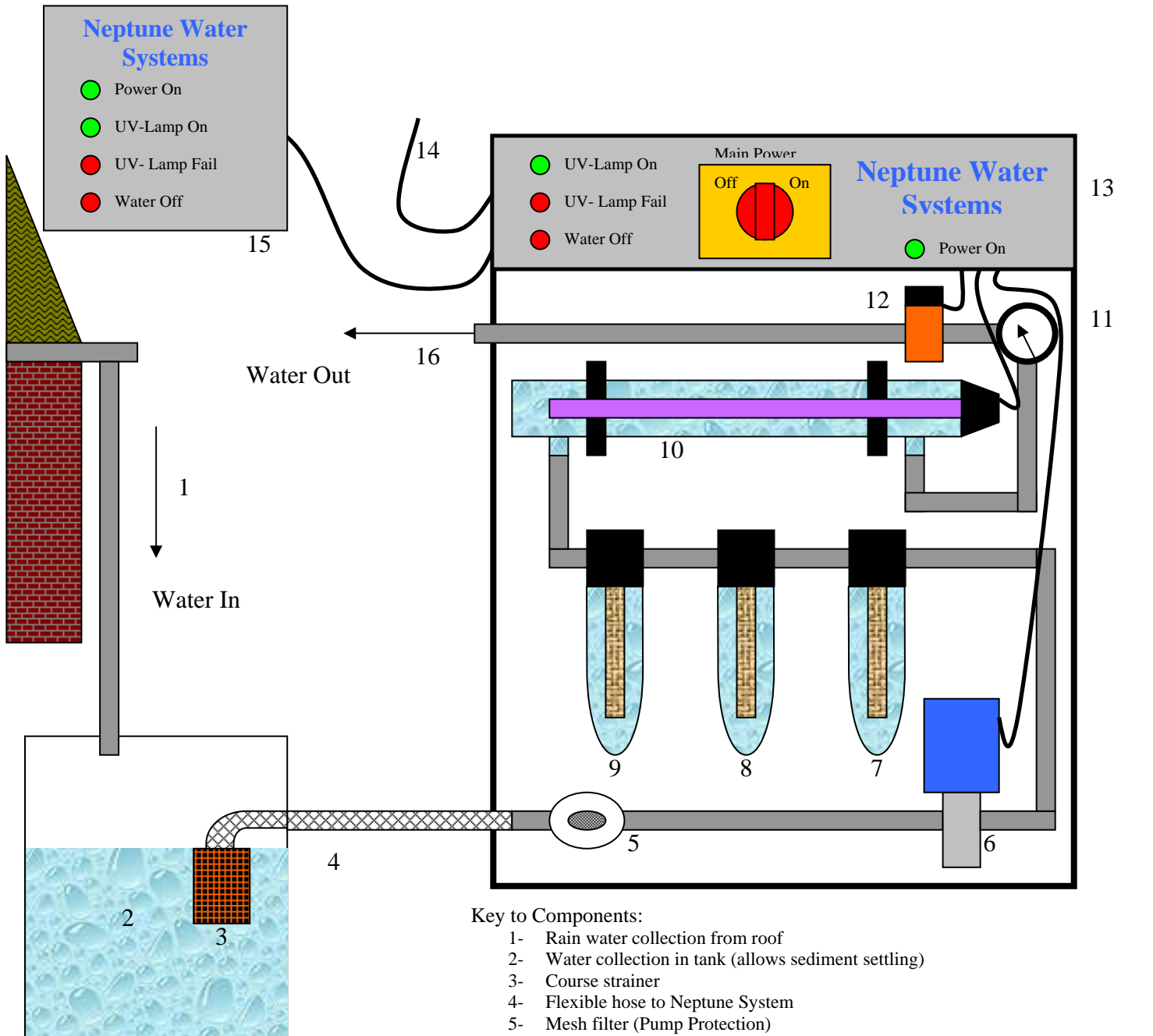


Aqua (Scotland) Ltd – Neptune Water Systems

Rain Water Collection and Filtration System



The Neptune system can be configured to meet specific requirements to suit customer applications. The main system is housed in an IP-Rated weatherproof box; if to be externally mounted, and comes with a remote panel for indication within the building. All wet components are mounted in the bottom half of the panel whilst the electrical connections and controls are housed within the top half of the panel in a sealed and splash proof enclosure. The only electrical connections within the wet area are IP-Rated and low voltage where available. This example has a flow on demand pump providing safe treated water upon the opening of an outlet tap, at a sink etc, and will shut off upon closure of the same tap. This ensures minimal stored water is left in the system reducing the potential for bacterial growth.

Key to Components:

- 1- Rain water collection from roof
- 2- Water collection in tank (allows sediment settling)
- 3- Course strainer
- 4- Flexible hose to Neptune System
- 5- Mesh filter (Pump Protection)
- 6- System pump (flow on demand switch built in)
- 7- 10µm filter (sediment)
- 8- Carbon (taste and taint)
- 9- 5µm filter (sediment)
- 10- UV-Lamp
- 11- Pressure gauge (Indication Only)
- 12- Shut off valve (Stops water if lamp fails)
- 13- Main display panel (all electrical components at high level away from water)
- 14- Mains power in (240volt 50Hz)
- 15- Remote panel (for additional indication in building)
- 16- Water out (at 5 litres per minute) Pressurised storage tanks available if required

Please Note: Representation only and not to scale