

Certified to
NSF/ANSI 350

Description

The Aqualoop G series commercial scale systems treat up to 9,000 gallons of greywater per day to superior water quality that allows extended storage and indoor use. Aqualoop's patented MBR technology is unique with extremely low maintenance and high reliability. With the technology scalable to any throughput needs, the G series is developed for commercial operation. All models include remote monitoring. Treatment equipment is located inside the catchment tank which saves on required footprint.

Specifications

| Specifications | |
|--|---|
| Certification | NSF-350 |
| Design Flow Per Membrane Cartridge (Avg. Flow) | 120 GPD |
| Peak Flow Design Per Membrane Cartridge | 160 GPD |
| Max. Flow Per Membrane Cartridge | 240 GPD |
| Power Consumption | <2 KWH/1,000 Gallons |
| Power Requirement | 220 V Single Phase, 10 AMPS per Station |
| Bioreactor and Holding Tank Sizing | Match Peak Flow |
| Tank Type | Above or Below Ground |
| Tank Material | Fiberglass, HDPE, or Concrete |
| Aeration Blower Sizing | 30 LPM per Membrane Cartridge |
| Booster Pump | Supplied Separately by Ecovie Sales Rep |
| Target CIP Frequency | >9 Months |

Key Components – See Separate Specifications

Accessories



Station and Controller



Blower





Growth Media



Membrane Cartridge

SPECIFICATION SHEET

- Source grey-water from showers, baths, laundry, bathroom sinks 
- Treated water for toilets, cooling tower, laundry, irrigation 
- NSF 350 quality water with biological treatment and ultra filtration (MBR):
 - NSF 350 level water quality allows storing water for up to 21 days, spray irrigation OK
 - No additional disinfection required after MBR process - No UV or chlorine required
 - Pre-screening with PURAIN Pre-Filter • Biological treatment using aeration and growth bodies
 - Hollow fiber membrane filtration to 0.2 microns
- Automated aeration, transfer, backwash, and CIP sequences
- Remote monitoring and data acquisition are standard
- MBR Equipment fits into greywater catchment tank - Saves Space!
- MBR Equipment fits in any type tank - above/below ground, concrete, HDPE, fiberglass
- Additional disinfection can be added if desired or if local regulations require.
- Booster pump repressurization supplied by local Ecovie sales rep.

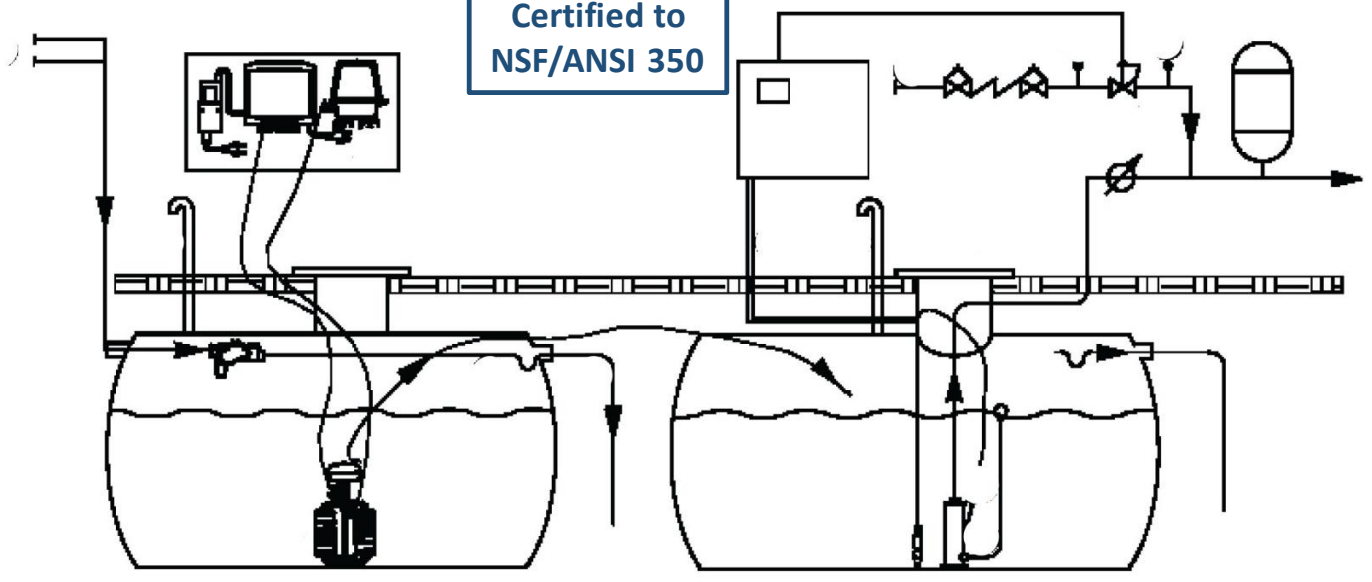
Models and Sizing

| Specifications | | Recommended Design Point (Ave. Daily Flow) | Daily Flow Range | Approximate Inhabitants at 35 GPD/Person* | Recommended Peak Flow Design Point (GPD) | Maximum Recommended Flow (GPD) | Recommended Bioreactor and Holding Tank Size |
|----------------|-------|--|------------------|---|--|--------------------------------|--|
| Models | G1000 | 720 GPD | 500-1440 GPD | 15-20 | 960 GPD | 1440 GPD | 1000 gal. |
| | G1500 | 1100 GPD | 700-2200 GPD | 20-30 | 1440 GPD | 2160 GPD | 1500 gal. |
| | G2000 | 1450 GPD | 1000-3000 GPD | 25-40 | 1920 GPD | 2880 GPD | 2000 gal. |
| | G2500 | 1800 GPD | 1200-3600 GPD | 35-50 | 2400 GPD | 3600 GPD | 2500 gal. |
| | G3000 | 2200 GPD | 1500-4500 GPD | 40-60 | 2880 GPD | 4320 GPD | 3000 gal. |
| | G3500 | 2500 GPD | 1700-5100 GPD | 50-70 | 3360 GPD | 5040 GPD | 3500 gal. |
| | G4000 | 3000 GPD | 1900-5700 GPD | 55-80 | 3840 GPD | 5760 GPD | 4000 gal. |
| | G4500 | 3300 GPD | 2200-6600 GPD | 60-93 | 4320 GPD | 6480 GPD | 4500 gal. |
| | G5000 | 4000 GPD | 2400-7200 GPD | 70-100 | 4800 GPD | 7200 GPD | 5000 gal. |
| | G6000 | 4500 GPD | 2880-8600 GPD | 80-125 | 5760 GPD | 8640 GPD | 6000 gal. |
| | G7000 | 5000 GPD | 3400-10,000 GPD | 95-145 | 6720 GPD | 10,080 GPD | 7000 gal. |
| | G9000 | 6500 GPD | 4300-13,000 GPD | 120-185 | 8640 GPD | 12,960 GPD | 9000 gal. |

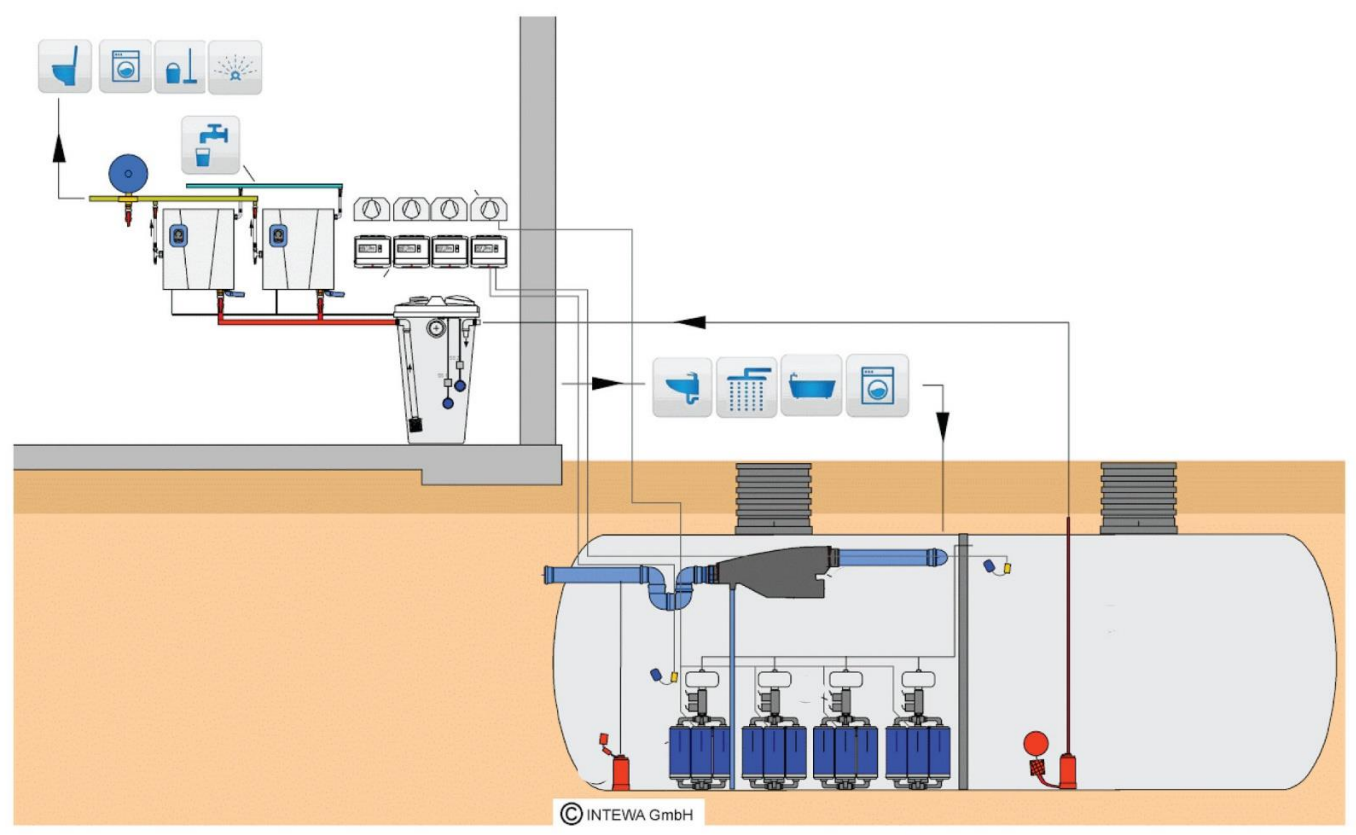
* Specific project must have an analysis of expected average and peak greywater flows as actual estimates will vary by project!



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Tank Alternatives



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