

RainSub

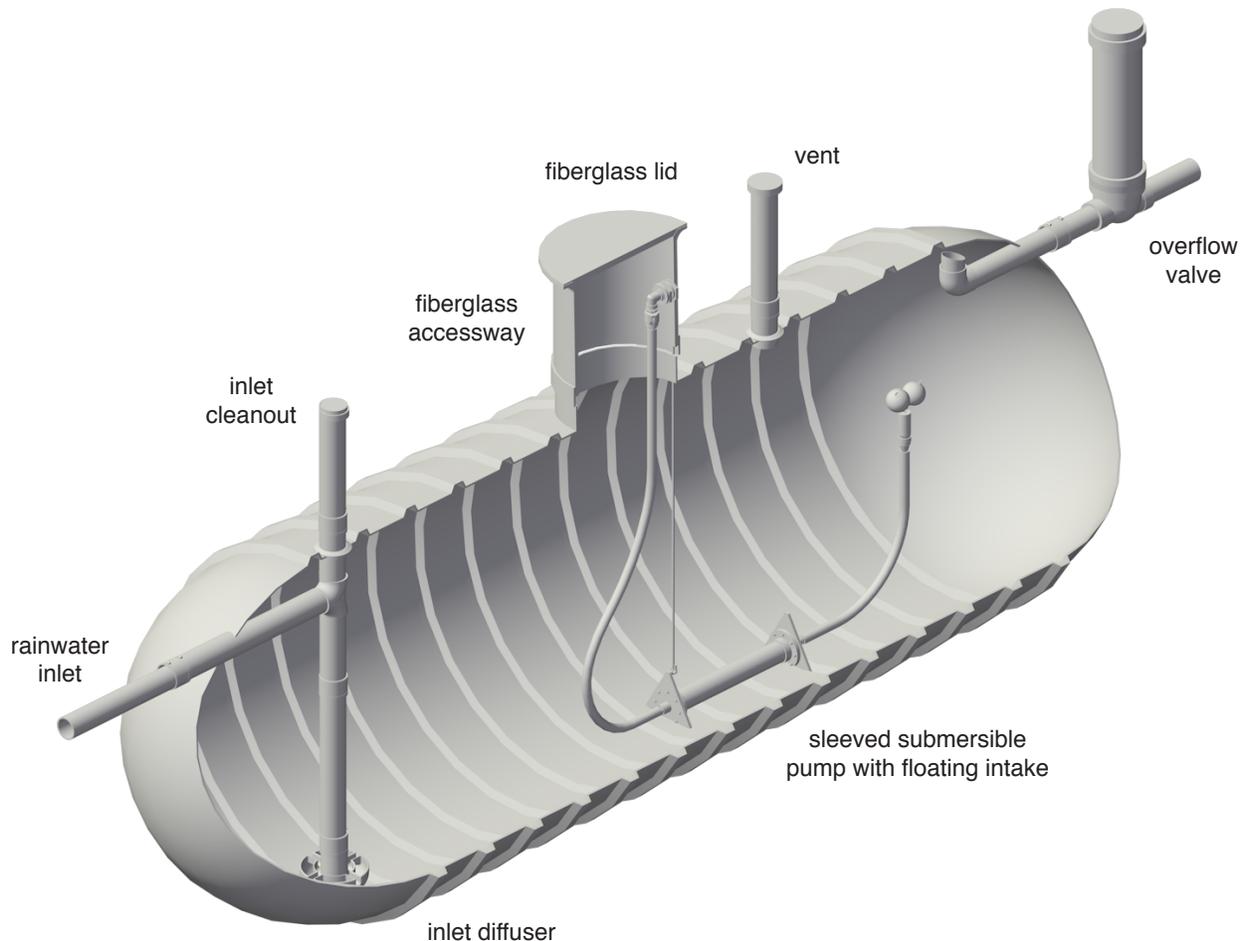
The *RainSub* is a high-strength ribbed cylindrical tank made of fiberglass-reinforced plastic (FRP) with penetrations and accessories optimized for rainwater harvesting. Standard tanks range from 4,000 to 50,000 gallons with diameters from 6 to 12 feet. A large diameter flanged fiberglass accessway with a bolted composite lid provides easy passage for people and pumps around water and electrical fittings; an inlet port on one end connects to an internal inlet tee with a cleanout port; an outlet port on the opposite end connects to an internal skimming fitting; and a top vent port is provided to equalize air pressure. Straps and turnbuckles are provided for anchoring and lifting lugs are provided for secure handling. Optional components include an inlet diffuser, overflow valve, vent cover, cleanout cover, fiberglass internal ladder and precast concrete deadmen.



tank with standard
accessway and ports

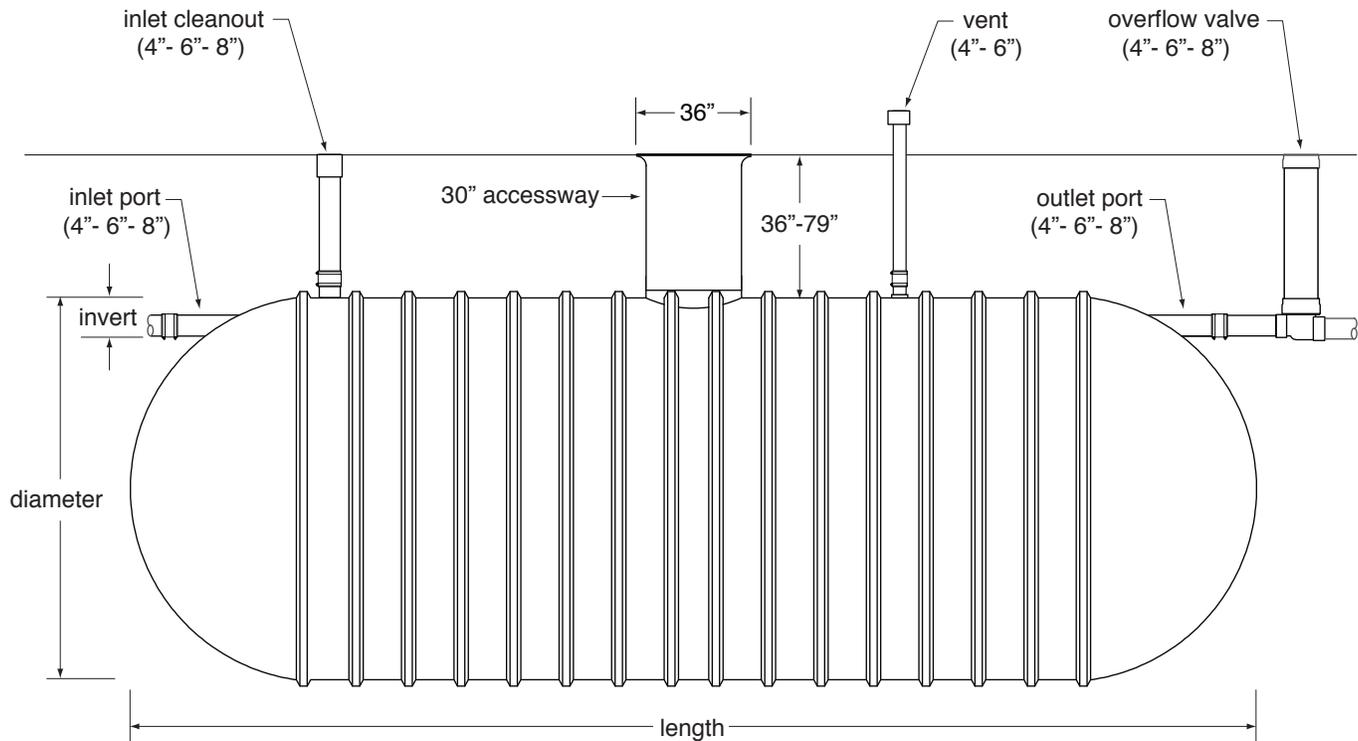
SYSTEM COMPONENTS

RainSub tanks are supplied with prefabricated stub-outs pipes for the access riser, inlet, inlet cleanout, and outlet. The access riser and lid, inlet cleanout riser and cap, vent riser and cap, diffuser assembly, skimmer assembly, and external overflow valve are attached in the field using supplied flexible couplings and bonding materials.



PHYSICAL CHARACTERISTICS

Following are dimensions for the most common RainSub configurations. The size and location of the accessway, ports, and vent can be changed as required, and the height of each can be adjusted during installation to match field conditions. FRP straps and heavy-duty galvanized steel turnbuckles (not shown) are provided to anchor the tank to pre-cast reinforced concrete deadmen, cast-in-place reinforced concrete deadmen, reinforced concrete slabs, or soil screw anchors to secure the tank during the backfill process and to prevent flotation. Where vehicle traffic is possible, the inlet cleanout, accessway, and overflow valve must be protected by cast iron or other traffic-rated frames and covers that float above.



| Model | Gallons | Diameter | Length | Ports | Vent | Invert | Straps | Weight |
|--------------|---------|----------|---------|-------|------|--------|--------|--------|
| RainSub-0406 | 4000 | 6'-0" | 21'-11" | 4" | 4" | 10" | 2 | 2200 |
| RainSub-0506 | 5000 | 6'-0" | 26'-5" | 4" | 4" | 10" | 4 | 2600 |
| RainSub-0608 | 6000 | 7'-8" | 20'-7" | 4" | 4" | 10" | 2 | 2600 |
| RainSub-0808 | 8000 | 7'-8" | 26'-1" | 4" | 4" | 10" | 4 | 3400 |
| RainSub-1008 | 10000 | 7'-8" | 31'-7" | 6" | 4" | 13" | 4 | 4200 |
| RainSub-1208 | 12000 | 7'-8" | 37'-1' | 6" | 4" | 13" | 4 | 5100 |
| RainSub-1510 | 15000 | 10'-0" | 29'-6" | 6" | 4" | 13" | 4 | 6600 |
| RainSub-2010 | 20000 | 10'-0" | 37'-9" | 8" | 6" | 16" | 6 | 8600 |
| RainSub-2510 | 25000 | 10'-0" | 47'-7" | 8" | 6" | 16" | 8 | 11100 |
| RainSub-3010 | 30000 | 10'-0" | 55'-10" | 8" | 6" | 16" | 10 | 13200 |
| RainSub-4010 | 40000 | 10'-0" | 73'-8" | 8" | 6" | 16" | 14 | 17900 |
| RainSub-5012 | 50000 | 11'-11" | 68'-1" | 8" | 6" | 23" | 18 | 20000 |