



wahaso™

WATER HARVESTING SOLUTIONS

Packaged Rainwater Harvesting Systems from Wahaso

RW-UV20-0 Models E & S

SPECIFICATIONS & DATA SHEET

| | RWS-UV-20-0 | RWE-UV-20-0 |
|--|--|--|
| System Configuration | Pressurization pump located in cistern or wet well | Pressurization pump located outside cistern with flooded suction |
| Treatment System Enclosure (NEMA 4X) | 50"W X 40"H X 12"D | 50"W X 40"H X 12"D |
| Minimum Space Requirement for Plumbing and Access to Treatment Enclosure | 50"W x 72"H X 60"D | 50"W x 40"H X 60"D |
| Controls Enclosure (NEMA 4) | 20"W x 24"H X 12"D | 20"W x 24"H X 12"D |
| Pump Enclosure (Aluminum) | N/A | 14"W x 40"L X 30"H |
| Treatment Gallons Per Minute | Up to 20 GPM | Up to 20 GPM |
| Filtration Type | 2-stage bag | 2-stage bag |
| Sanitation | Viqua Pro20, 70 mJ/cm2* | Viqua Pro20, 70 mJ/cm2* |
| Pump Output | 5-20 GPM Variable Speed | 5-20 GPM Variable Speed |
| Pressure Range | 35-80 PSI Pressure (adjustable) | 35-80 PSI Pressure (adjustable) |
| Pump H.P. | 0.5-1 HP | 0.58-3.4 HP |
| Electrical Requirements | 220/230V, 1-Phase (can convert to 3 Phase) | 220/230V, 1-Phase (can convert to 3 Phase) |
| Electrical Circuit | 15 AMP | 15 AMP |
| Plumbing Connections | 1.5" inlet & outlet, PVC flange | 1.5" inlet & outlet, PVC flange |

* 70% UVT water clarity. Most rainwater will have a greater clarity after filtration, so the effective exposure should be higher than this.

Included Standard:

- Wahaso RW-UV20-0 NEMA 4X cabinet with filtration system, UV and other components. Thermostatically activated ventilation extra.
- All listed components come pre-assembled, wired and plumbed with Schedule-80 PVC piping, tested at our facility.
- Wahaso Controls in NEMA 4 box with PLC operational software.
- For Model RWE, Insulated pump enclosure.
- Includes installation and operations manual.
- Wahaso technical support via phone for installation, start-up and operational questions.
- Limited one-year warranty on all supplied components.



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Installation Notes:

System installation must adhere to all relevant local commercial plumbing and electrical codes. Permits may be required, and work should be performed by a licensed contractor.

- Run 1.5" PVC from pump in cistern to treatment box, or to external pump, depending on model number.
- Connect 1.5" flange pressurized water outlet to non-potable reuse.
- Connect minimum 1.0" municipal water back-up line, protected with RPZ backflow prevention device by installer.
- Connect low-voltage wire (18-gauge shielded twisted pair), from remote level sensor to control box in 1/2-1" conduit.
- Connect 240-Volt, single phase power to Controls cabinet from local panel with dedicated 15-AMP breaker.
- Run conduit and wiring from Controls cabinet to pump using 12-gauge wire. Submersible pump comes prewired with 30 feet of waterproof cable that must be connected inside the Controls cabinet.

Processing Unit and Enclosure

