

PUMPING. FILTRATION. CONTROL. UVS COMPLETE SYSTEM.

The RainFlo UVS systems are ideal where an easy-to-install, cost effective, reliable, complete system is desired for reclaimed water applications. Building on the field tested RainFlo products, each system includes a pump, VFD, sediment filtration, UV disinfection, and system controls to deliver disinfected water at a constant pressure and variable flow rate for use in irrigation, flushing toilets, cooling towers and other uses.

RainFlo UVS systems are the best in their class and offer 25 GPM, 40 GPM, or 60 GPM to meet your specific needs. All systems are designed to fit through a standard 30" door making them perfect for use in existing buildings and new construction alike.

Key Applications:

- Irrigation
- Greenhouse systems
- Toilet flushing
- Cooling tower make up
- Laundry processes
- Industrial process water
- Other non-potable plumbing applications



ORDERING INFORMATION

Model	Description
RF-UVS25-FI	25 GPM water reclamation system with flow inducer
RF-UVS25-P	25 GPM water reclamation system with pump
RF-UVS40-FI	40 GPM water reclamation system with flow inducer
RF-UVS40-P	40 GPM water reclamation system with pump
RF-UVS60-FI	60 GPM water reclamation system with flow inducer
RF-UVS60-P	60 GPM water reclamation system with pump

Note: Models with pumps are for use with above ground tanks. Models with flow inducers are for use with underground tanks.

SPECIFICATIONS



System Model	RF-UVS25-FI/P	RF-UVS40-FI/P	RF-UVS60-FI/P
Weight/Dimensions	~260 lbs. (118 kg)/ 60" H x 26.5" W X 45" D		
Frame	Aluminum, powder coated - fork lift skid		
Input Power	240V @ 20A and 120V, single phase @ 4A		
Inlet/Outlet	1.5" FNPT/1" FNPT	1.5" FNPT	
Bladder Tank Capacity	13.5 gal		
GPM	25	40	60
Pump	1.5 HP/3 PH flow inducer underground OR 3 HP/3 PH above ground MHP pump, requires flooded suction	3 HP/3 PH flow inducer underground OR 4 HP/3 PH above ground MHP pump, requires flooded suction	5 HP/3 PH flow inducer underground OR 4 HP/3 PH above ground MHP pump, requires flooded suction
Constant Pressure Controller	Variable frequency drive (VFD) increases or reduces pump speed based on demand		
Level Sensor	Automatically detect and visibly display water level		
Filters	37107 - 20 µm cartridge 37084 - 5 µm cartridge Auto Clean Filter (ACF) option is available	Auto Clean Filter (ACF)	
UV Chamber	RF6-25C	RF6-40C	RF6-85C
UV Power Supply	NEMA 4X; 120V AC		
UV Monitor	Digital power meter with sensor		
Audible/Visual Alarms	Red light and/or audible alarm on control panel		
Lamp Life	Up to 10,000 hours of continuous operation		
Replacement Lamp	RF-L600C	RF-L950C	RL-1000A
Replacement Sleeve	RF-Q600	RF-Q950	RQ-1000



RAINWATER SYSTEM CONTROLLER

The on-board controller detects the water level in your tank and automatically switches to an auxiliary water supply at user defined set points. When your tank fills again, the UVS system will automatically switch back over to harvested water without the need for human intervention.



AUTO CLEAN FILTER

The auto clean filter automatically flushes for 10-15 seconds when there is a 7 PSI pressure differential. The system continues to filter during the cleaning process.