

	OPTIONAL FEATURES	Optional Features May Be Added Upon Request		
15	BACTERIA CONTROL SYSTEM MEDIA	Optional Anti-Microbial Media (Nominal Removal Below 0.5 Microns)		
16	THREAD SEALER & FLANGE GASKETS	Optional NSF 61 Compliant		
17	CASTERS**	Optional Skid Mounted Omni-Directional (12", 16" & 20" Single Vessel Systems Only)		
18	CHEMICAL FEED SYSTEM	Optional TDS, PH, Pump Timer, Blow Down Solenoid Through PLC		
19	CHLORINE INJECTION	Optional Frequency & Duration Adjusted Through PLC		
20	BACKWASH RECLAMATION SYSTEM	Optional Secondary Tank, Diverting Valve, Reclaim Valve, Drain Valve Through PLC		

SYSTEM INFORMATION DETAILS Vessel Dimensions

21	FILTRATION SYSTEM RATING	20 GPM	
22	FILTER CAPACITY (Excluding Backwash Cycles)	20 GPM (0 GPM During Backwashes)	
23	BACKWASH FLOW RATE	10 GPM	
24	BACKWASH DURATION	4-8 MINUTES	
25	FILTER INLET/OUTLET SIZE	1 INCHES	18"
26	CITY WATER INLET SIZE	1 INCHES (70 PSIG MAX)	SHELL
27	BACKWASH WATER DRAIN SIZE	1 INCHES	LENGTH
28	MAX. OPERATING TEMPERATURE	200 DEGREES FAHRENHEIT	
29	APPROXIMATE WEIGHT	600 LBS. (Gross)	32 3/8" ±
30	VESSEL DIMENSIONS	12" (Diameter) x 32.5" (Height)	0.A.H.
31	OVERALL DIMENSIONS (clearance)***	34" (L) x 34" (D) x 65" (H)	
	* Actual sizing TBD based on final assemb	ly & connection types.	(Θ)

** Portable option includes quick disconnect fiitings.

*** Dimensions are approximate. Final Installation Dimensions To Be Verified.

Notes:

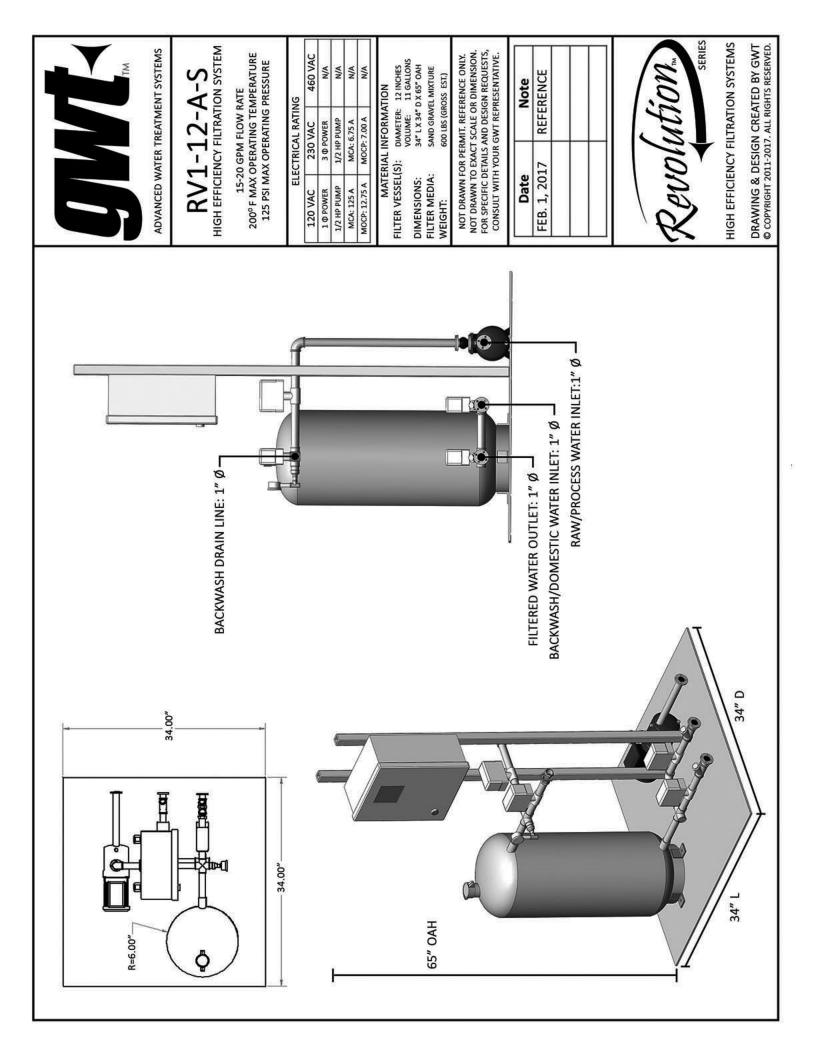
Installation Clearance Space: Three Feet (each) Front and Sides Standard Pressure and Temperature Ratings Unless Noted Otherwise System Designed for Non-Potable Applications Vibration Isolation/Flex for Pump Outlet All GWT systems are made in the USA



12" DIAMETER



Toll Free: 1 (855) 426-2262





RV 1-12 Electrical Component List

Part #	Part Name	Peak Power	Voltage	Current
1	1/2 HP Pump	60 (Hz)	115/230 (V)	9.2/4.6 (A)
2	Actuator WE350	50/60 (Hz)	110/220 (VAC) 24 (VDC)	0.12/.06 (A) 0.25 (A)
3	Touch Screen	36 (W)		
4	PLC	10 (W)		
5	PLC Input Module	0.05 (W)	Peak (40 VDC)	Peak Input 5mA @ 28 VDC
6	PLC Output Module	0.132 (W)	Peak (50 VDC)	1.4 Amps per module
7	Disconnect Switch			20 A @ 600VAC
8	Transformer 100VA	50/60 (Hz)		
9	Transformer Fuse Kit		50-750 (V)	
10	Fuse		600 (VAC) Rated	0.5 (A)
11	DC Power Supply		24-28 (VDC)	4.2 (A)
12	9A 3P 120VAC Breaker		120 (VAC)	9 (A)
13	9-13A CLS Breaker			9-13 (A)
14	5A Circuit Breaker			5 (A)
15	12A Relay		24 (VDC)	12 (A)
16	8A Relay		24 (VDC)	8 (A)
17	TEMBLK-MTD		800 (V)	41 (A)
18	TEMBLK-MTD BU		800 (V)	41 (A)
19	TEMBLK-PE		800 (V)	41 (A)
20	7 Conductor 18 agw 600 VAC		600 (VAC)	
21	NEMA 4 Diff Press Switch		250 (VAC)	5 (A)

MCA (115VAC): 12.5 A = (125% x 9.2 A) + (4 x 0.25 A)

MCA (230VAC): 6.75 A = (125%) x (4.6 A) + (4 x 0.25 A)



Pump Specifications

Item	Centrifugal Pump		er Type	Closed
HP	1/2	Bearin	ід Туре	BALL
Phase	1	Port R	otation	9
Voltage	115/230		Plug	Yes
Amps	9.2/4.6		acturers nty Length	1 yr.
Hz	60	Best E Head	fficiency GPM @	27 gpm @ 48 ft.
Duty	Continuous			
Inlet	1-1/4" NPT 1" NPT		er Dia.	4-7/16"
Outlet			GPM @ Head	37 gpm @ 40 ft.
			lead	75 ft.
Motor Enclosure	A/IEC Frame 56J ed Materials AISI 316 Stainless Steel Iler Material 316 Stainless Steel	Max. L	iquid Temp.	212 Degrees F
NEMA/IEC Frame		May	Pressure	
Wetted Materials		IVIdX. F	riessure	125 psi
Impeller Material		Min. G	iPM @ Head	10 gpm @ 50 ft.
Housing Material		RPM		3500
Volute Material	316 Stainless Steel	Shaft Size		5/8"
	t Material AISI 316 Stainless Steel		t	8-5/8"
Shall Material			n	15-3/8"
Screw Material				8-1/8"
Seal Type	Type 21 Mechanical	Width		0-1/0
Seal Material	Silicon Carbide, Viton And Stainless Steel		GPM of Water @ 40 Ft. of Head	37
Seal Application	Specific Gravity 1.0	GPM of Hea	of Water @ 50 Ft. ad	32
Max. Specific Gravity		GPM of Hea	of Water @ 60 Ft. Id	25
Max. Fluid Viscosity		GPM of Hea	of Water @ 70 Ft. ad	10

*Pump Motor is equipped with Max Over Current Protection, and a 5A Breaker is provided within the HEF System Main Control Panel for all other parts.

**Recommended dedicated 15 Amp Circuit be provided for electrical supply to the RV1-12 System (115V or 230V systems).

***Local code is the final authority regarding the sizing of electrical safety devices. Consult with your local electrician or electrical engineer.