

# Rainwater Harvesting - Booster Pump

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

Tag \_\_\_\_\_

## RWP-2-SVM

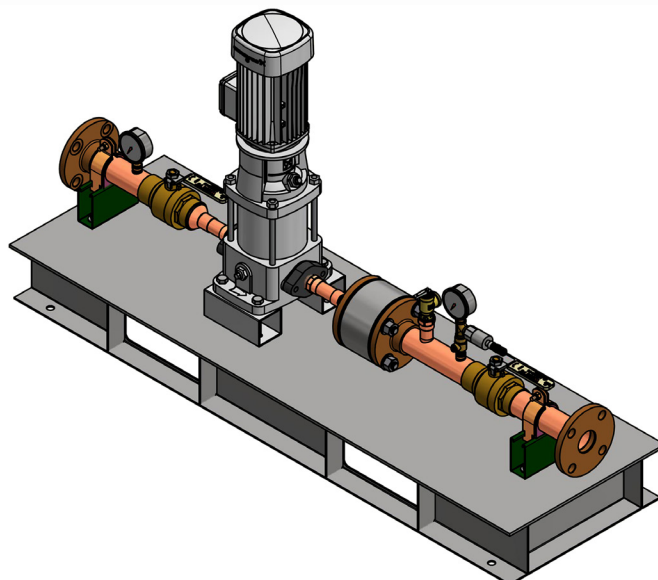
### Simplex Vertical Multistage Booster Pump Package

#### Specification

Watts RWP-2-SVM Simplex Vertical Multistage Booster Pump Package provides water flow and pressure in RainCycle commercial rainwater harvesting systems. Rated for flows up to 80 GPM and 125 PSI, this package includes Goulds e-SV vertical multi-stage pump to maximize energy efficiency, service life and reduce maintenance.

The package is pre-plumbed on a stainless steel skid base for fast installation and includes a check valve, safety pressure relief valves, isolation valves, and pressure gauges. A variable speed drive with a 4-20mA pressure sensor is included when ordered with a Rainwater Control Station using a CR, VP or VC control panel. The variable speed drive shall be installed on the Rainwater Control Station skid for ease of system installation, operation and maintenance.

*\* Simplex pumps are recommended for RainCycle systems with secondary water supply control valves in direct bypass configurations only.*



#### Features

##### Booster Pump

- Top fill plug with air vent
- Replaceable mechanical seal without pump disassembly
- Self-aligning replaceable diffuser wear rings made from PPS glass filled technopolymer for maximum durability
- Tungsten carbide/silicone carbide intermediate bush bearing

##### Motor

- Standard NEMA TC Frame motors with open drip proof rating
- 3500 RPM nominal
- 1.25 Service Factor
- Motor insulation class F
- Energy efficient with EISA compliance

##### Skid Package

- Pre-plumbed with check valve, safety pressure relief valve, isolation valves and pressure gauges
- Includes duplex variable speed drives when ordered with a RainCycle Rainwater Control Station
- Durable stainless steel skid base
- Factory tested package

Ordering Base Code
RWP-2-SVM

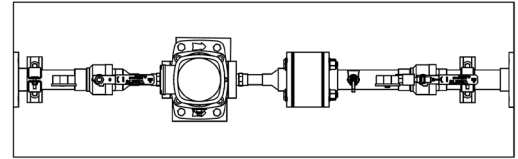
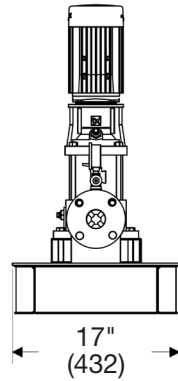
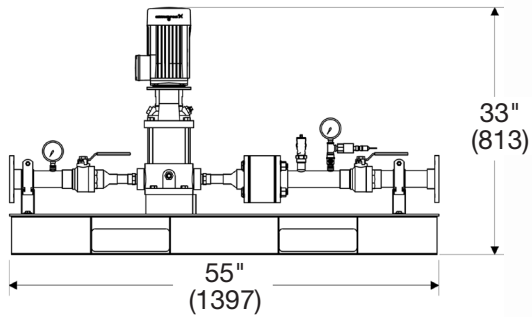
Piping Material: (required)		
Suffix	Description	
-PVC	PVC Schedule 80	<input type="checkbox"/>
-CTL	Copper Type L	<input type="checkbox"/>
-304	304 Stainless Steel (schedule 10)	<input type="checkbox"/>
-316	316 Stainless Steel (schedule 10)	<input type="checkbox"/>

Electrical Supply: (required)		
Suffix	Description	
-208V	208V/3ph/60hz Supply Power	<input type="checkbox"/>
-240V	240V/3ph/60hz Supply Power	<input type="checkbox"/>
-480V	480V/3ph/60hz Supply Power	<input type="checkbox"/>
-575V	575V/3ph/60hz Supply Power	<input type="checkbox"/>

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



## Dimensions



Complete Model #	RWP-2-SVM		
	Base Code	Piping	Electrical

### Additional Information Required:

Required Flow		Gallons Per Minute
Required Total Dynamic Head (THD)*		Feet
Distance from storage tank**		Feet
Toilet Type		Flush Valve or Flapper
Pump Configuration		Lead/Lag or Alternating

\* Prior to sizing, inform Watts Engineering if the booster pump will be installed at a distance greater than 100 feet from the Rainwater Control Station or at a different elevation.

Contact Watts Engineering for a comprehensive submittal package based upon the selected configuration.

### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

### WARNING

Rainwater supplied by Watts rainwater systems is non-potable water and is not intended for potable water applications. DO NOT DRINK WATER supplied from Watts rainwater systems and related equipment. Users shall determine the suitability of the product for the intended application before using.



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