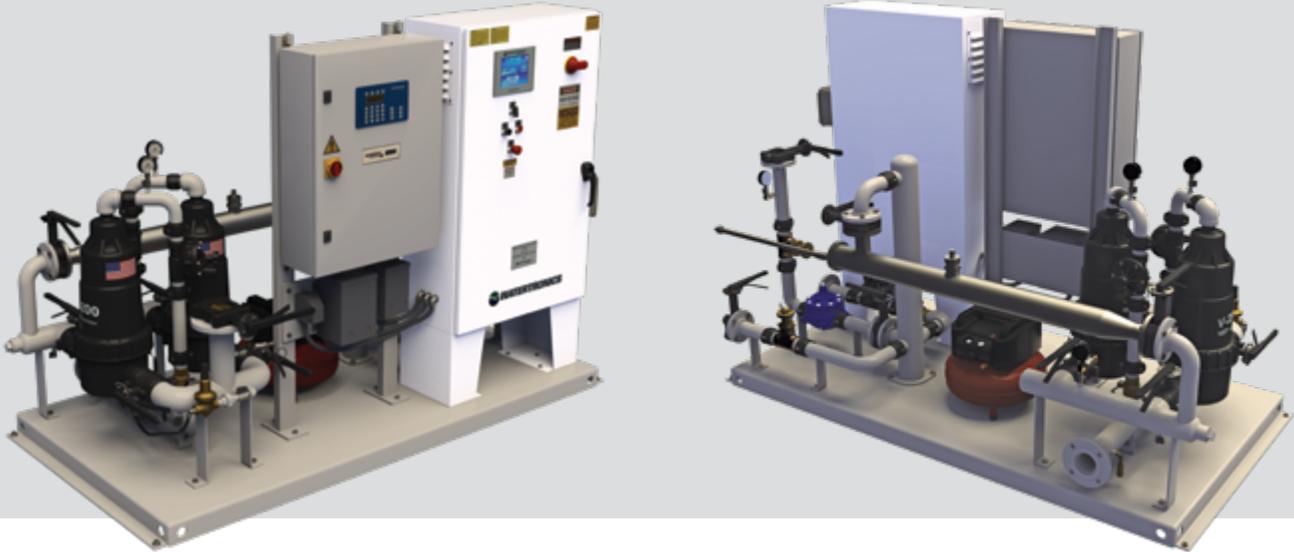


SKYHARVESTER SH-80 STANDARD



A SINGLE SOURCE SOLUTION FOR WATER HARVESTING

The SkyHarvester® product line from Watertronics® provides a single-source solution for commercial water harvesting systems for new or existing building sites. A water harvesting system gathers water from one or more building locations such as rooftops, parking lots, and air conditioning units to store, filter and distribute water for your specific non-potable use.

The SkyHarvester SH-80 is a pre-packaged engineered pump station featuring integrative controls, filtration and water treatment. With the ability to pump up to 80 GPM, filter water to 25 micron, and disinfect water with ultraviolet light to a LOG 4 reduction of common microbial contaminants, the SkyHarvester SH-80 can deliver filtered and disinfected water at a constant pressure under varying flow rates to meet today's commercial needs.

Your SkyHarvester arrives pre-tested and assembled specifically to your performance requirements, ensuring a quick installation and trouble free start-up.

STANDARD FEATURES

- Color touch screen
- VFD with Watertronics proprietary PLC logic
- Integrated filter controls
- Tank level control and display in inches & gallons
- Displays and controls up to 3 alternate water sources (city, well, other)
- Displays total harvested and alternate water used
- Single set point or flow based pressure regulation
- Building management communication via serial MODBUS RS232 or RS485
- DV/DT long motor lead filter (when used with submersible pump)
- Reversible filter flush line
- Pressure relief valve
- ¼ inch formed steel base construction
- Sch. 40 steel piping

SPECIFICATIONS

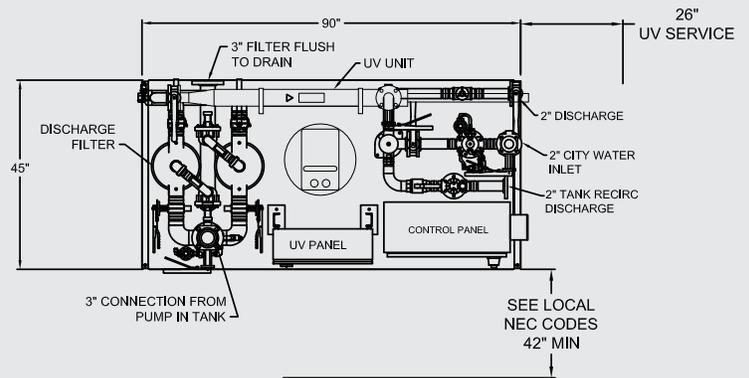
- For submersible or flooded suction applications
- Flows up to 80 GPM
- Motor options: 5 HP & 7 ½ HP
- Voltage options:
 - 460V/3Ph/60Hz
 - 230V/3Ph/60Hz
 - 208/3Ph/60Hz
 - 230V/1 Ph/60 Hz
- UL 508 pump station control panel
- 2 year warranty including parts & labor
- Full dynamic flow, pressure and operation testing prior to shipment
- Built to FCC Part 15 standards



Watertronics Pump Service Network provides nationwide parts sales, and technical service for installations, start-up, user training and maintenance.

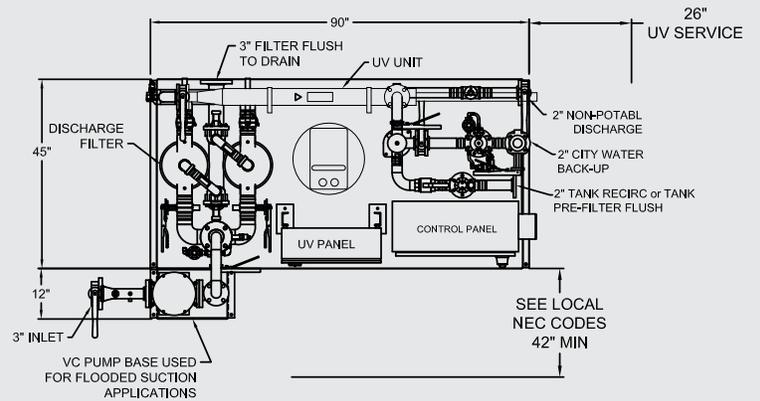
STANDARD OPTIONS

- Tank pre-filter flush valve and logic
- Alternate water source connection options (both with pressure regulation):
 - Direct to distribution (engages automatically upon power failure)
 - Tank fill (accommodates up to 3 alternate water sources)
- UV disinfection with auto wiper, intensity monitor and UV cooling valve
 - 0-66 GPM @ 32 mj/cm2 @ 75% UVT
 - 67-80 GPM @ 32 mj/cm2 @ 85% UVT
- Integrated UV logic
- Automatic discharge filtration
 - 25 micron when used with UV,
 - 100 micron when used without UV
- Composite or stainless steel discharge filters
- Automatic tank recirculation valve
- Bladder tank – ASME or non-ASME rated
- WaterVision® Cloud remote monitoring (Ethernet or cellular)



Submersible pump assembly for tank is included
(To ensure proper installation, distance from submersible pump to control skid is required.)

SUBMERSIBLE



FLOODED SUCTION

SKYHARVESTER SH-80 PRESSURE CHARTS

(other design point options available)

SUBMERSIBLE

Based on Goulds 65GS50-5HP • Assumed 15ft elevation to control skid • 10ft friction loss • 30 GPM filter flush flow rate

Max. Avail PSI @ GPM	120	110	84	67
Customer Flow (GPM)	10	20	30	40

Based on Goulds 85GS75 - 7.5HP • Assumed 15ft elevation to control skid • 10ft friction loss • 30 GPM filter flush flow rate

Max. Avail PSI @ GPM	120	120	120	120	104	84	62
Customer Flow (GPM)	20	30	40	50	60	70	80

FLOODED SUCTION

Based on Ebara EVMSU-10-6- 5HP • 10ft friction loss in piping tank to pump • 30 GPM filter flush flow rate

Max. Avail PSI @ GPM	119	108	97	75	60
Customer Flow (GPM)	10	20	30	40	50

Based on Ebara EVMSU-15-3-7.5HP • 10ft friction loss in piping tank to pump • 30 GPM filter flush flow rate

Max. Avail PSI @ GPM	82	78	75	73	71	70	67	60
Customer Flow (GPM)	10	20	30	40	50	60	70	80



For more information on Watertronics Pump Systems, visit watertronics.com



www.watertronics.com | 1-800-356-6686