

## SKYHARVESTER SH-MICRO



### SINGLE SOURCE WATER HARVESTING SOLUTION FOR MICRO DRIP IRRIGATION SYSTEMS

The SkyHarvester® SH-Micro is a pre-packaged engineered pump station featuring a submersible pump, VFD pressure regulation, discharge filtration, and level controls. With the ability to pump up to 60 GPM, filter water to 100 micron, and control a back-up water supply in the event harvested water is not available, the SkyHarvester SH-Micro can deliver harvested water for drip and micro-spray irrigation systems at a constant pressure under varying flow rates to meet today's commercial needs.

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

#### SPECIFICATIONS

- Submersible applications
- Flows up to 60 GPM
- Motor option: 1½ – 3 HP
- Voltage options
  - Three phase:*
    - 460V/3Ph/60Hz
    - 230V/3Ph/60Hz
    - 208V/3Ph/60Hz
  - Single phase:*
    - 230V/1Ph/60Hz
- UL 508A control panel & ULQCZJ listed packaged pumping system
- Built to FCC Part 15 standards
- 2 year warranty including parts & labor
- Full dynamic flow, pressure and operation testing prior to shipment

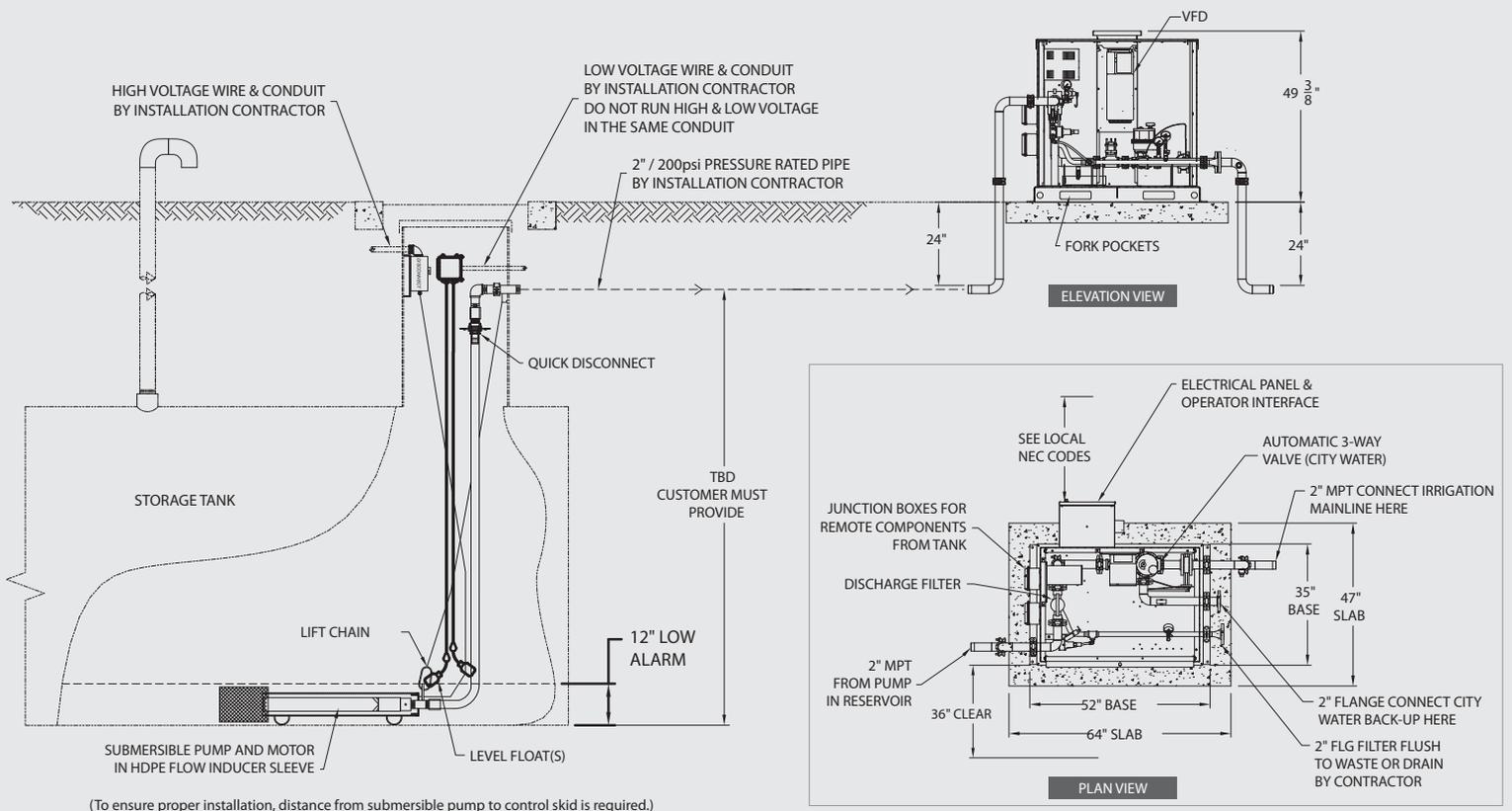
#### STANDARD FEATURES

- LED keypad operator interface
- VFD with single set point pressure regulation
- Pressure drop start
- Pressure relief valve
- DV/DT long motor lead filter
- HDPE pump flow inducer sleeve with intake screen & flexible discharge hose
- Tank level and backup water level indication via float switches
- Ability to control 1 alternate water source
- Displays total water pumped in GPM and total gallons used
- Manual discharge filter with 100-micron screen
- Sch 40 steel piping with baked and cured UV-insensitive polyurethane finish
- Marine-grade aluminum station enclosure and base with lockable lid, forced fan air cooling, fork pockets and gas spring assisted lid lift
- Dead front high voltage disconnect panel

#### STANDARD OPTIONS

- 2-inch inlet & discharge drop pipes
- 24 VAC remote start relay
- City water backup tank fill valve (ship loose) with tank level controls
- City water direct 3 way valve and controls (on skid)
- Outdoor vandal resistant red alarm light
- Opto coupler
- Enclosure heater





SHOWN WITH CITY WATER DIRECT 3-WAY VALVE & DROP PIPE OPTIONS

### SKYHARVESTER SH-MICRO PERFORMANCE

CONSULT FACTORY FOR LARGER CUSTOM SIZES

Based on Goulds 25GS15 – 1.5HP  
 Minimum performance must exceed 4 GPM @ 25PSI  
 Assumed 13ft elevation to control skid • 7ft friction loss in piping to control skid

Max. Avail PSI @ GPM	100	100	95	86	69	43
Customer Flow (GPM)	5	10	15	20	25	30

Based on Goulds 35GS20 – 2.0HP  
 Minimum performance must exceed 4 GPM @ 30PSI  
 Assumed 13ft elevation to control skid • 7ft friction loss in piping to control skid

Max. Avail PSI @ GPM	100	100	100	95	80	75	61
Customer Flow (GPM)	10	15	20	25	30	35	40

Based on Goulds 65GS30 – 3.0HP  
 Minimum performance must exceed 10 GPM @ 23PSI  
 Assumed 13ft elevation to control skid • 7ft friction loss in piping to control skid

Max. Avail PSI @ GPM	73	69	60	56	50
Customer Flow (GPM)	40	45	50	55	60

### SKYHARVESTER SH-MICRO FULL LOAD AMPERAGE

	1.5HP	2.0HP	3.0HP
208V-3phz	8A	12A	18A
230V-1phz	13A	18A	31A
230V-3phz	8A	12A	18A
460V-3phz	4A	6A	6A



For more information on Watertronics Pumping Systems, visit [watertronics.com](http://watertronics.com)



Watertronics PSN provides nationwide technical service for installation, startup, user training, maintenance and parts sales.



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