

# WATER HARVESTING SOLUTIONS



**DESIGNED  
BUILT  
TESTED  
SERVICED**

With a personal commitment to performance, reliability and ease of use.

**munro**

# MUNRO RAIN MANAGEMENT

## BRAINBOX – RAINWATER HARVEST CONTROLS

The simple solution for irrigating with harvested water

Using a series of simple float control switches, the BrainBox monitors water level in a holding tank. When a start signal is received from an irrigation controller, the pump will turn on only if there is enough water in the tank. If there is not enough tank water the BrainBox will energize a 24-volt signal opening another water source to maintain tank level or supply the irrigation system directly.

- Float controls are wired for safe 24v reduced external voltage.
- Preset pressure sensor prevents potential pump damage due to loss of prime or run-dry.
- Temperature sensor offers additional protection in the event of dead head or a solenoid valve not opening.
- UL Listed in a UL-50 Type listed 3R stainless steel or powder coated enclosure.



## MUNRO MXS 5" MULTISTAGE BOTTOM SUCTION SUBMERSIBLE PUMP

A reliable in-tank pump with excellent performance

The bottom suction allows a draw down to 4-1/2", making this pump ideal for in tank applications. With stainless steel components, including impellers and diffusers, this pump is built to last. Liquid passes the motor of this self-cooling pump, so an inducer sleeve is not needed.

- Stainless steel components outside and inside – non-corrosive, built to industrial specifications.
- Self-cooling, quiet operation – the pumped liquid cools the motor for long life.
- Easy installation – no control box required to start the pump.





## COMPLETE PRO II – 3/4 TO 5 HP

### The complete package

With a Munro LP series centrifugal pump in 3/4 hp through 5 hp and a stainless steel BrainBox, this pump package is ready for a quick installation right out of the box.

The powder coated stainless steel (3/4 to 3 hp) or powder-coated marine-grade aluminum (5hp) enclosures are vented for cooling and padlock-able for security.

- Interchangeable ends to allow pump to face left or right.
- Includes suction fittings, discharge fittings, hose or piping, pressure gauge, electrical outlet.
- Additional float switches can be included to meet your requirements.



## STANDALONE & CUSTOM PACKAGED PUMP SYSTEMS

### The right system for your application

As a leader in integrated pumping systems, we focus on superior quality and ease of use and maintenance.

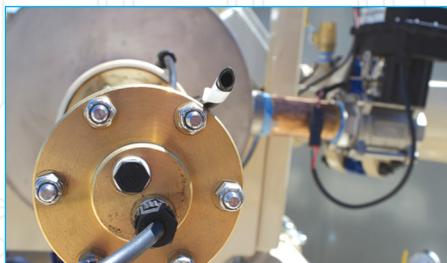
#### StandAlone Systems

Munro StandAlone software automates the pump station using only the VFD. No need for hardwired controls or PLCs, minimizing cost and complexity. UL Listed (QCZJ) packaged pumping systems with a UL-50 Type listed 3R rating for outdoor use, can be designed with multiple pumps and variable frequency drives for any water harvesting application.

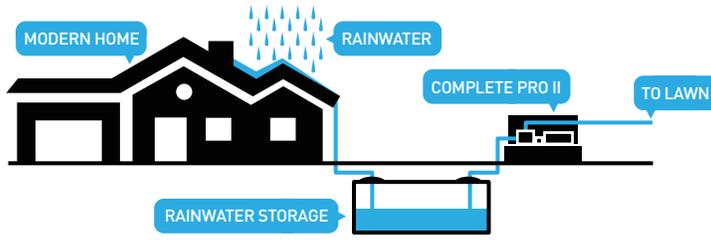
#### Custom Stations

Built to your engineered specifications, with the help of our senior design and project management team, Munro pumping stations for water harvesting utilize leading control technology and best-in-class pumps and components.

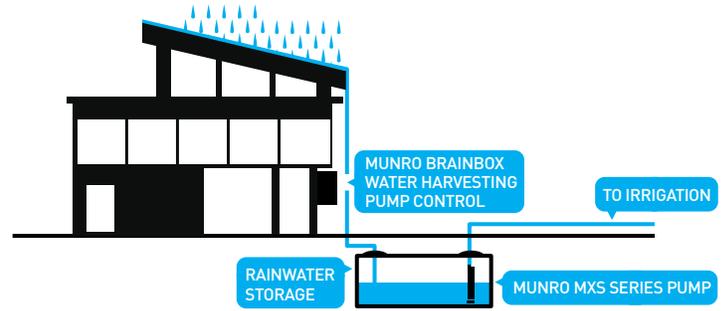
- Skids and enclosures are powder-coated and available in a variety of materials, including marine-grade aluminum, stainless steel, or steel.
- Options include but are not limited to: touch screen, filtration, flow meter, bypass, master valve, alarm light and/or sound, lightning arrestors.
- Protection features include but are not limited to: loss of prime, pressure surges, rapid cycling, deadhead, over pressure, motor overload, low/high voltage & catastrophic discharge line break.
- Baseline irrigation control system integration available for enhanced monitoring in coordination with your irrigation system.



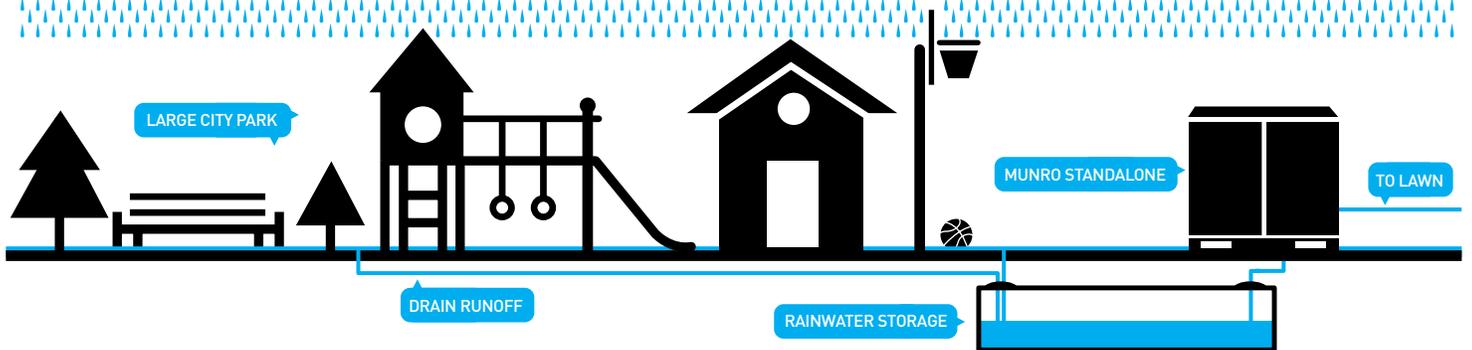
## RESIDENTIAL SET UP



## SMALL COMMERCIAL SET UP



## LARGE PARK COMPLEX SET UP



## HISTORY

In the early 1900s, Munro Mercantile stores dotted the Western Colorado landscape. All five locations had signs in the windows that read, "Quality remains long after price is forgotten" – Upton Sinclair. Though times and customer needs have changed, this philosophy still guides Munro today.

We've been working with customers from around the globe for over 50 years to solve problems and build the right solutions for each unique application. We look forward to an opportunity to work with you.



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# MUNRO