

## Water Discharge Smart Valve

### The Profit Leak

Accumulated water in oil and fuel systems causes contamination, corrosion, rejected product, and avoidable operational costs. Traditional separation and draining methods lack precision and require manual intervention.

### Current Plugs

Gravity separation and periodic draining are commonly used but depend heavily on operator intervention and timing. Inline sensors and lab testing provide data but do not enable autonomous removal of separated water.

## YOUR PERMANENT FIX

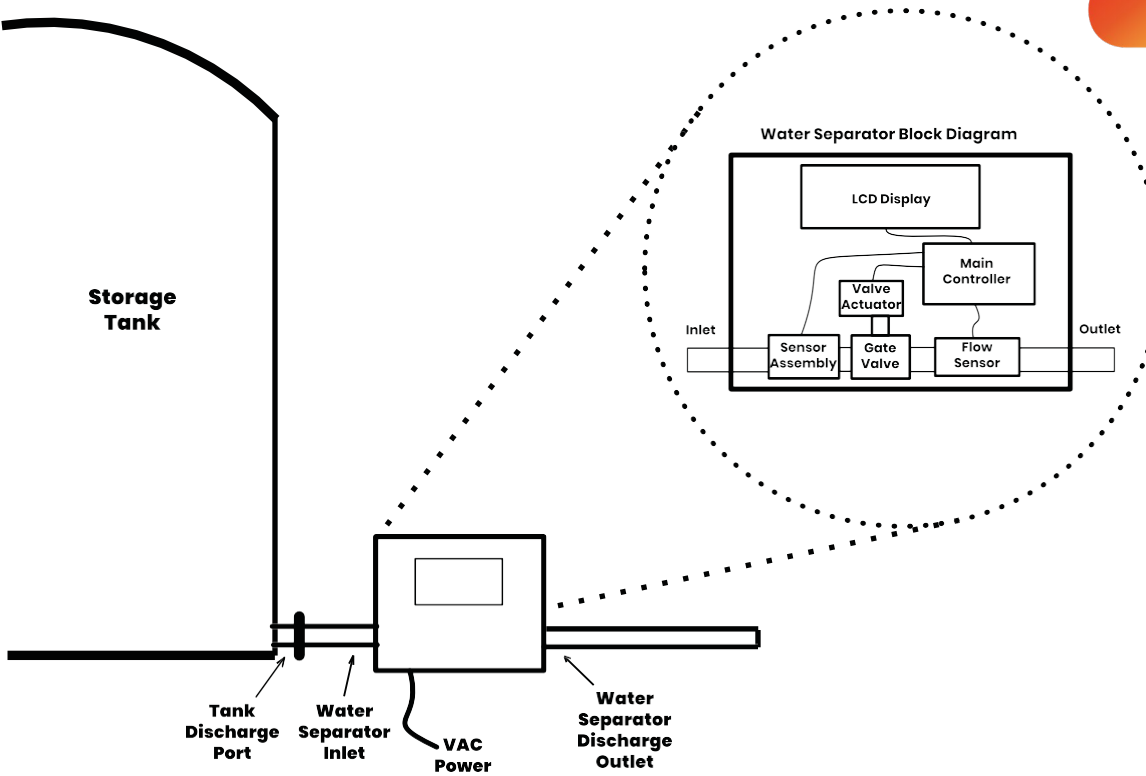


Introducing the Water Discharge Smart Valve (patent pending), an intelligent discharge solution designed to autonomously remove accumulated water once gravity separation has occurred, without impacting hydrocarbon flow or system integrity.

### HOW DOES IT WORK?

- **Detects water based on material properties after gravity separation**
- **Differentiates water from hydrocarbons with high sensitivity**
- **Actuates discharge only when water is present**
- **Routes water to a designated discard tank automatically**

# System Diagram



## FEATURES

- High sensitivity to detect all forms of water contamination
- Requires no prior emulsification breaking, filtering or chemical treatment for discharge
- Automated Discharge Valve Actuation
- Flow Rate ranges from 0.5 gal/min to 40 gal/min
- Power requirement: 120VAC - 2amps, 220VAC - 1amp
- Integrated Bluetooth connectivity or Wired connection for local monitoring and diagnostics
- Compact, lightweight enclosure (W: 10" H: 6" L: 10")
- Retrofittable to existing systems
- Explosion proof unit available on request

## BENEFITS

- Continuous protection against water contamination
- Reduced corrosion and system degradation
- Eliminates manual draining errors
- Improves system reliability and uptime
- Enables remote or unmanned operation

### WANT TO KNOW MORE?

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