



200-Proof Optimization

Do the Math: 0.1% = \$160K

Typical specifications for moisture in non-denatured 200-proof ethanol average from 0.8% to 1.15%. Most plants typically target 0.1% to 0.2% below those specifications.

200-Proof Optimization will allow you to raise that target to match specifications, selling as much water as possible in your ethanol.

Payback in less than 12 months

Raising the moisture level by just one tenth of one percent (0.1%) will net about \$160,000 annually for a 100 MGY plant (at \$1.60/gal. ethanol). With payback projected at just months, this project is a quick way to add sizeable revenue with a minimum investment.

It's our goal to help make your job easier and your plant more profitable.

Interested in learning more about this and other low-cost, quick-return upgrades? Call your local account manager, or our Customer Service Team.

877.456.8588



the energy of innovation™

New equipment “deproofs” 200-proof product to match maximum allowable ASTM E1064 water specifications

ICM's 200-Proof Optimization upgrade lowers the proof of 200-proof ethanol to match the maximum allowable water content specifications of ASTM E1064, giving your plant the ability to consistently approach the ASTM E1064 limit.

200-Proof Optimization equipment is capable of metering the exact amount of water distillate to the 200-proof ethanol stream, allowing more accurate, automatic moisture control compared to your operators relying on mole sieve operation alone. Meeting the specifications on a more consistent basis will increase total gallons of annual production and add to your bottom line.

Simple no-downtime installation, with your crew or ours

Most plants have existing ports that can be used for tie-in points for this simple equipment upgrade, allowing installation while the plant is running. In the rare circumstance a port is not available, downtime will be just a few hours. In either case, the equipment installation should take less than one week.

Package 1— Use your Crew	Package 2—Leave it to ICM
<p>Equipment & Programming Only With our installation guide, your maintenance staff will perform the installation. We will provide:</p>	<p>Complete Turnkey Installation Let us help you lighten your maintenance team's workload by handling the entire project, from start to finish. We provide equipment, programming, and installation.</p>
<ul style="list-style-type: none"> Engineered drawings (loop drawings, isometric drawings) + installation guide 	<ul style="list-style-type: none"> Engineered drawings (loop drawings)
<ul style="list-style-type: none"> Updated P&IDs, specs, and detailed S.O.P.s for compliance with OSHA Regulations (Standards 29 CFR) PSM 1910.119 	<ul style="list-style-type: none"> Updated P&IDs, specs, and detailed S.O.P.s for compliance with OSHA Regulations (Standards 29 CFR) PSM 1910.119
<ul style="list-style-type: none"> Electronic valve, minor equipment, density transmitter (if necessary) 	<ul style="list-style-type: none"> Electronic valve, minor equipment, density transmitter (if necessary)
<ul style="list-style-type: none"> DCS programming and screen updates 	<ul style="list-style-type: none"> DCS programming and screen updates
	<ul style="list-style-type: none"> Mechanical materials
	<ul style="list-style-type: none"> Electrical materials
	<ul style="list-style-type: none"> Turnkey installation (inc. travel, fuel, & per diem)