



### ELMINATES RECTIFIER PRESSURE FLUCTUATION

- > Greater stability in rectifier operation during depressurization application results in more consistent removal of fusel oils, higher yields and better fermentation

### ENERGY SAVINGS

- > Direct injection of depressurization vapors prior to vaporizer enables less flow through vaporizer and can save up to \$100,000 per year in energy costs (Based on 50MMGY Ethanol Production)

### QUICK RETURN ON ROI

- > Low initial investment only takes 2 years to recoup costs of full installation

### REDUCED WATER USAGE AT COOLING TOWERS

- > With depressurization vapor heat load removed from 190 Condenser, less make-up water is used at the cooling tower resulting in a savings of 1.5 GPM Reduced Water Usage (Based on 50 MMGY Ethanol Production), creating a more favorable ratio of water used to ethanol produced

### REDUCED USAGE OF CHILLERS

- > With depressurization vapor heat load removed from the 190 Condenser, this will translate to a reduced load on chiller capacity in the Summer months for high wet bulb temperature geographic locations

### PROVEN SOLUTION

- > System operates using reliable Hydro-Thermal technology, which has been successfully utilized for more than 80 years