

Abstract: Flow Technology to Minimize Carbon Footprint

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English Abstract: In heat treatment, the carbon footprint is primarily result of energy required to heat and the atmosphere employed. The control of the carbon-rich furnace atmosphere produced from gaseous hydrocarbons or from vaporized hydrocarbon liquids must be optimized to minimize the environmental impact. Flow technology, control and actionable data analysis provides the ability to minimize the carbon signature. Flow technology that meets these standards will be discussed. We will review real world scenarios.

Biography:

Damian Bratcher is the Director of International Operations and Manager of Combustion Solutions for Super Systems Inc. He holds a B.S. in Mechanical Engineering from Purdue University and an M.S. in Aeronautical and Aerospace Engineering from the University of Cincinnati. He has thirty years of industrial instrumentation experience in thermal process industries.

Resumen: Tecnología de flujo para minimizar la huella de carbono

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Spanish Abstract: En el tratamiento térmico, la huella de carbono es principalmente el resultado de la energía necesaria para calentar y la atmósfera empleada. El control de la atmósfera del horno rica en carbono producida a partir de hidrocarburos gaseosos o de hidrocarburos líquidos vaporizados debe optimizarse para minimizar el impacto ambiental. La tecnología de flujo, el control y el análisis de datos procesables brindan la capacidad de minimizar la firma de carbono. Se discutirá la tecnología de flujo que cumple con estos estándares. Revisaremos escenarios del mundo real.