

QUANTUM™

*Proven Reliability and Durability
in Catalytic Emission Control*



QUANTUM™ combines proven engineering, innovative design and exceptional efficiency to deliver superior performance, reliability and economy. QUANTUM has the flexibility and capacity to control VOC emissions while providing long-term effectiveness and value.

QUANTUM™



- *Worldwide Regulatory Compliance*
- *Provides a Complete System Package*
- *Proven Performance and Reliability*

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Advanced Catalyst Technology

QUANTUM uses the most cost-effective catalyst available. No other formulation offers equivalent efficiency, longevity and resistance to masking.

Energy Savings

The system achieves 95% VOC destruction at lower temperatures than required by conventional thermal oxidizers. The result is lower fuel costs and longer equipment life.

Temperature Control System

QUANTUM virtually operates itself. Advanced controls automatically maintain high VOC destruction rates, provide maximum efficiency and protect the system from thermal stress.

High-Efficiency Burner

QUANTUM uses energy wisely. A low-maintenance gas-fired burner provides efficient combustion. Lower operating temperatures and low firing rate result in only trace NOx emissions.

Integral Energy Recovery

QUANTUM saves fuel costs by using thermal energy from the exhaust to preheat incoming process air. The stainless steel plate-type heat exchanger comes with an efficiency rating of 70%.

Lasting Performance

Rugged construction ensures years of reliable service. Key components are made from special alloys with superior resistance to embrittlement and stress cracking.

Simplified Installation

The complete system is delivered in pre-wired, pre-piped modules. The steel support frame and compact design allow the most efficient use of space. An optional turnkey installation package is available.

Designed for Easy Maintenance

The QUANTUM is designed to minimize maintenance costs. Four access doors simplify inspections. All routine maintenance can be performed from the unit's exterior.

Proven Experience

MEGTEC Systems has designed and installed over 2,000 catalytic systems worldwide, more than any other supplier.



QUANTUM... Economical, efficient catalytic oxidation.

Technical Specifications

Standard VOC Destruction Rate	95%
Standard Thermal Efficiency	70%
Flow Capacity	up to 5,000 SCFM (7,900 Nm³/hr)
Solvent Concentration Range (% of LEL)	up to 19% (8.1 g/Nm³)
Heat Exchanger	Stainless steel plate-type

WEBLINE &
ENVIRONMENTAL
TECHNOLOGIES

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