

Exhaust Surge Tank System For Octane Rating Engine



Shanghai Sinpar Scientific Instrument Co.,Ltd

Manufacturer of Octane Rating Engines in China

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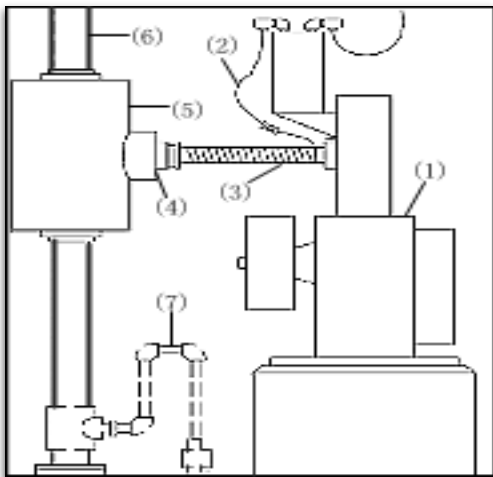
Exhaust Surge Tank System

includes a Flex Exhaust Manifold, a Surge Tank and Cooling Water Drainpipe, those are connected with the octane engine. Exhaust Surge Tank System is a complete system for eliminating resonance pulses and back pressure during the octane rating operation.

Resonance pulses and back pressure may affect the stability of knock intensity signal. Eliminating the interference of the variables makes the octane test result more consistent and accurate.

Meanwhile, this exhaust system can effectively reduce noise and air pollution.

Model SINPAR FTC-M2 Combination Octane Rating Unit is equipped with the Exhaust Surge Tank System as a standard configuration.



Installation Structure of Exhaust Surge Tank System is suitable for various layout options for fuel octane analysis laboratory. We recommend the use of the exhaust surge tank and its exhaust components as their design has been proven to perform with the rating of the Octane Rating Unit as a whole.

- (1) Octane Engine
- (2) Cooling Water Copper Tube
- (3) Flex Exhaust Manifold
- (4) Spray Ring Assembly
- (5) Surge Tank
- (6) 2 in. Pipe Stack
- (7) Cooling Water Drainpipe

Figure: Proper Installation of the Octane Engine Exhaust System



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