

Exhaust Surge Tank System for Octane Rating Engine



Shanghai Sinpar Scientific Instrument Co.,Ltd

Professional Manufacturer of Octane Engines

www.sh-sinpar.com

Exhaust Surge Tank System

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includes a Flex Exhaust Manifold, a Surge Tank and the Cooling Water Drainpipe, those are connected with the octane engine. The exhaust system has the functions of 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.

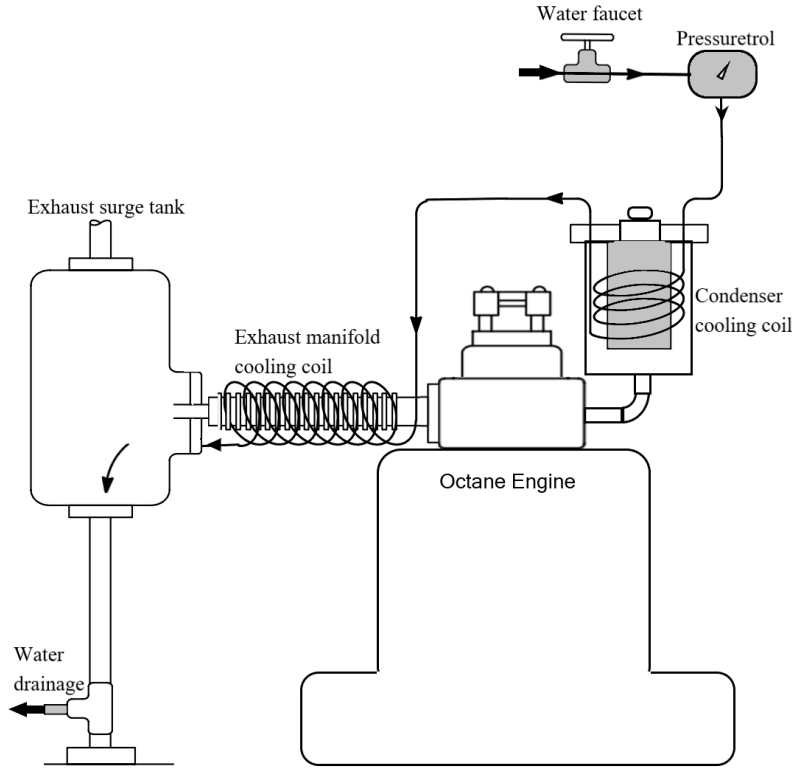
SINPAR FTC-M2 Combination Octane Rating Unit is equipped with the Exhaust Surge Tank System as a standard configuration.



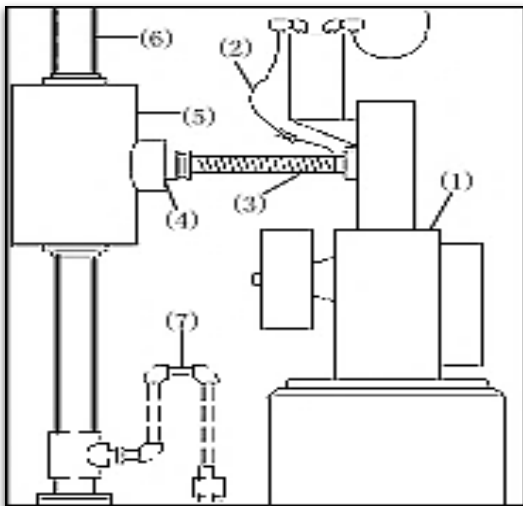
Functions and Features:

- ✓ **eliminate resonance pulses and back pressure**
- ✓ **reduce noise and air pollution**
- ✓ **easy-to-install**
- ✓ **safety**
- ✓ **durability**

Exhaust Surge Tank System



The exhaust surge tank system is supplied with the cooling water drainage system with a water spray ring assembly affixed on the flange.



The Installation Structure of Exhaust Surge Tank System is suitable for various layout options for fuel octane testing laboratory.

We recommend the use of the exhaust surge tank and its exhaust components as their design has been proven to perform with 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. Exhaust Pipe
- 7) Cooling Water Drainpipe

Figure: Proper Installation of the Octane Engine Exhaust System

**Due to continuing products development, the illustrations used may differ from actual product.*



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