

How does it Work?

The Stage 2 Boost Cooler® progressively commands injection based off of boost pressure (PSI). Start & full points are adjustable directly on the screen to match what the engine is producing. The VC-50 allows the user to see boost increase as well as injection take place at the desired boost levels. This is the preferred method of injection for turbos and centrifugal superchargers. Injection will take place inside the throttle body spacer injection plate and deliver a finally atomized mix of water-methanol into the engine. When this mixture enters the engine it does the following.

Reduces Air Inlet Temperatures

The boost cooler does just that. Cools boost! When the atomized water evaporates it takes away massive amounts of heat (as much as 100 degrees) giving you the coldest densest air charge possible.

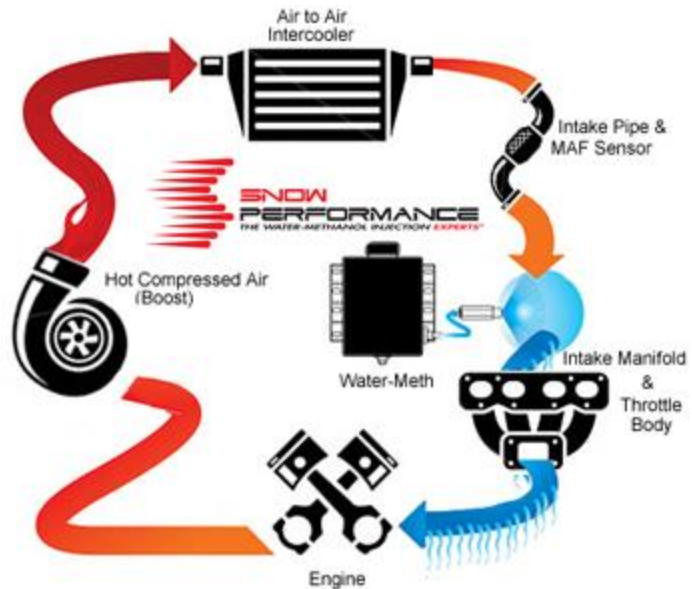
Increased Octane

Methanol is a slow burning high octane fuel. When mixed with water inside the combustion chamber it raises the effective octane of your fuel by 25 points when injecting a 50/50 mix of water/methanol. This means your 91 octane fuel now has the detonation control of 116 race gas!

Cleans & Removes Carbon Build Up

Direct injected and emission equipped vehicles will gather carbon build up on the engine over time. This carbon build up can rob performance and decrease the longevity of your vehicle. Water-methanol injection steam cleans the engine of this carbon build up and prevents it from happening in the first place.

Because you now have a colder denser air charge and high octane fuel you can now safely add boost/timing on your high performance vehicle for up to 20% HP gains!



Snow Performance Advantage

Robust, Easy To Use, U.S.A Made Controllers

All Snow Performance controllers are made right here in the U.S.A to ensure quality and craftsmanship. These controllers are tested to ISO 9001 standards before being packaged and sent to the customer. Snow Performance offers a wide range of controllers referencing boost, fuel injector pulse width, fuel pressure sensor voltage, frequency and voltage based mass air flow sensor and manifold absolute pressure sensors and is the only manufacture to offer true advanced 2D injection mapping and dual stage water-methanol delivery.



Award Winning 300 PSI UHO Pump

Although similar looking pumps exist they do not come with the handful of proprietary features that make the the Snow Performance 300 PSI UHO Pump the highest volume pump on the market.

Features:

- Dual Outlet EPDM Seals To Safely Achieve Greater Pressure Longer
- Proprietary Heat Dissipation Flange Runs Cooler Than Competition
- 100% Sealed and Potted For Added Reliability From Elements (No Sleeve Required)
- Added Internal Gaskets For Improved Reliability
- 300 PSI For Maximum Flow and Atomization Of Water-Methanol
- Fully Adjustable
- Internally Bypassed Pump For Smooth Constant Flow
- U.S.A Made and Tested
- Multiple Fitting Designs For Easy Connection To All Water-Methanol Line (1/4" Nylon Quick Connect, 3/8" Nylon Quick Connect, 3/8" NPT Braided Line Connection)
- Rubber Mounting Connections For Smooth Quiet Operation
- Less Amperage Draw Than Similar Looking Pumps



Highest Atomizing Nozzles

The Snow Performance Hyper-Sonic™ nozzle is the worlds best selling, most advanced, and easiest to use water-meth nozzle. Constructed out of methanol resistant stainless steel/zinc, the patented Hyper-Sonic™ design spins the fluid to supersonic levels before forcing it through two venturi shaped orifices to create the "Hyper-Sonic™" micron droplet mist that has become the industry leader in water-methanol technology. Complete with a 80 micron filter, the Hyper-Sonic™ nozzle can be cleaned and re-used on any application. To unlock power hidden within your water-methanol injection system replace your nozzles with Hyper-Sonic™ nozzles today!

Features:

- Robust Methanol Resistant Stainless Steel/Zinc Construction (Not Methanol Corrosive Brass)
- Two Venturi Shaped Orifices To Create Hyper-sonic Fluid Atomization
- 80 Micron Removable Cleanable Filter
- 1/8"-27 NPT Threads
- Size of Nozzle Stamped On Nozzle



Simplified Wiring

All Snow Performance injection systems come pigtail harnessed with positive lock connections or fully terminated with secure weather tight OEM wire terminals for a true plug & play installation for all water-methanol components (pump, solenoid, and controller).

Integrated Check Valve/Low Level Sensor In Every System

All Snow Performance Injection Systems come standard with our proprietary low level sensor and nickel plated 100% methanol resistant Nozzle Holder/Internal Check Valve design to eliminate all anti reversion and to ensure constant prime for instant injection. Offering the highest cross sectional flow rate of any system on the market, this nozzle holder offers a 360 swiveling connection for a easy clean installation!

Features:

- Robust Stainless Steel Internal Check Valve
- Nickel Plated Methanol Resistant Nozzle Holder
- (2) EPDM Seals
- 1/8" NPT Female Threads
- 360 Swiveling 90 Head
- 1/4" Quick Connect
- Snow Performance Decal

