



# Nitrous Pump Station Installation Instructions

PART NUMBER 00-68002

## INSTALLATION INSTRUCTIONS

This Nitrous Outlet Pump Station maintenance instructions is designed for rapid filling of nitrous oxide bottles. For proper performance, please follow these supplied instructions carefully. Before using this pump it is necessary to read all instructions and safety tips thoroughly. For any questions please call a Nitrous Outlet Tech at (254) 848-4300.

### Safety Tips and Maintenance for Nitrous Pump Station

- Direct contact with nitrous oxide will cause severe frost bite. Avoid contact to body.
- Never directly inhale nitrous oxide as vehicle applications contains sulfur. Inhaling any amount of nitrous oxide can cause respiratory ailments and/or death by suffocation.
- Always wear hand and eye protection when performing bottle fills.
- Never allow oil, grease, or any other combustible substances to come in contact with cylinders, valves, solenoids, hoses and fittings. Oil and certain gases (such as oxygen and nitrous oxide) may combine to produce a flammable condition.
- Never deface or remove any markings that are used for content identification on compressed gas cylinders.
- Nitrous mother bottle valves should be closed when pump station is not in use.
- Keep valves closed on all empty bottles to prevent accidental contamination.
- After storage, open the nitrous bottle valve for an instant to clear the opening of any possible dust or dirt.
- Notify the supplier of any condition that might have permitted any foreign matter to enter the valve or the bottle.
- Never drop or violently strike the bottle.
- Do not use an air line oiler with this pump.
- Do not over tighten AN style fittings. They can easily be damaged.
- Compressed air supply to this pump should not exceed 150psi and should not drop below 90psi.
- Air supply should have an additional air/water separator before entering the pump.
- Periodically check nitrous filter for contaminants. The frequency of use and other factors will determine how often the filter will need to be cleaned. To clean the nitrous filter, unscrew the cap from the end of the filter and spray filter element with brake cleaner until contaminants have washed out of the filter.
- Always make sure AN connections are free of contaminants before tightening them. Failure to do so can result in the fittings being scratched causing leaks.

### Components Included with Nitrous Pump Station

- 1 - Nitrous Outlet Pump
- 1 - Air/Water Filter
- 1 - 1/4 NPT inlet and 1/4 exit ball valve
- 1 - NPT to air hose connection
- 1 - Nitrous Outlet 6AN nitrous filter
- 1 - 1/4 NPT x 1/4 NPT male to male union
- 1 - 1/4 NPT x 1/4 NPT 90 degree fitting
- 1 - 3/8 NPT x 6AN straight fitting
- 3 - 1/4 NPT x 6an straight fitting
- 1 - Nitrous cut off valve
- 1 - #660 Mother Bottle Nut and Washer
- 1 - 7" 6AN stainless steel braided hose
- 1 - 12" 6AN stainless steel braided hose
- 2 - 36" 6AN stainless steel braided hose

**\*These are the components used for these instructions. If you are using aftermarket parts, other components may be required.**

**IMPORTANT:** All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s). Nitro Dave's LLC accepts NO responsibility for injuries resulting in the installation of any product(s). Nitrous oxide is for off-road use only.

[WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES](http://WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES)



# Nitrous Pump Station Installation Instructions

PART NUMBER 00-68002

## INSTALLATION INSTRUCTIONS

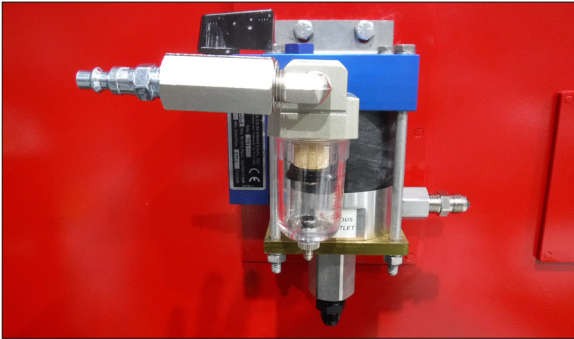
### NITROUS PUMP STATION ASSEMBLY

#### Tools Needed for Installation:

- 3/4" Wrench
- 11/16" Wrench
- 1-1/4" Wrench

#### Pre-Installation Tips:

- Air supply should have an additional inline air/water separator. Moisture in the air system will damage the pump.
- Compressed air supply to this pump should not exceed 150psi and should not drop below 90psi.
- The nitrous pump will not pump without nitrous and air pressure.



#### Step 1:

Mount the nitrous pump to a solid surface using the 4 mounting tabs on the pump housing.



#### Step 2:

Seat the Teflon washer inside the 660 bottle nut.



#### Step 3:

Using a 1-1/4" wrench, install the supplied 660 bottle nut onto the valve of the mother bottle.

**IMPORTANT:** All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s). Nitro Dave's LLC accepts NO responsibility for injuries resulting in the installation of any product(s). Nitrous oxide is for off-road use only.

[WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES](http://WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES)



# Nitrous Pump Station Installation Instructions

PART NUMBER 00-68002

## INSTALLATION INSTRUCTIONS



### Step 4:

Connect one of the 36" 6AN hoses to the mother bottle nut.



### Step 5:

Connect the inlet end of the nitrous filter to the opposite end of the 36" 6AN hose.



### Step 6:

Connect the 7" 6AN hose to the exit end of the nitrous filter.

**IMPORTANT:** All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s). Nitro Dave's LLC accepts NO responsibility for injuries resulting in the installation of any product(s). Nitrous oxide is for off-road use only.

[WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES](http://WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES)



# Nitrous Pump Station Installation Instructions

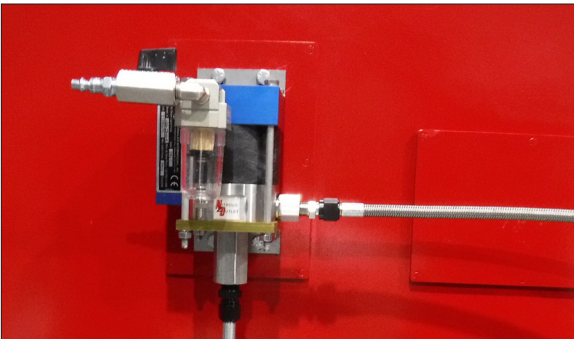
PART NUMBER 00-68002

## INSTALLATION INSTRUCTIONS



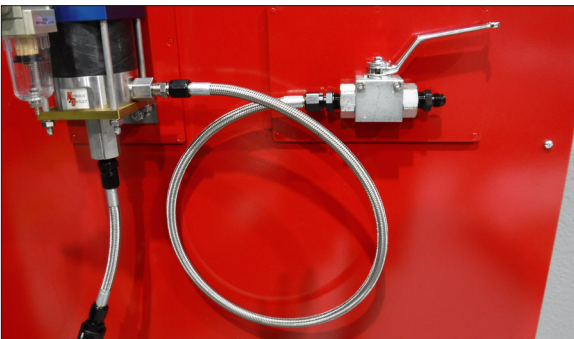
### Step 7:

Connect the opposite end of the 7" 6an hose to the nitrous pump inlet. (Bottom of Pump)



### Step 8:

Connect the other 36" 6AN hose to the nitrous pump exit. (Side of Pump)



### Step 9:

Connect the opposite end of the 36" 6AN hose to the inline shut off valve.

**IMPORTANT:** All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s). Nitro Dave's LLC accepts NO responsibility for injuries resulting in the installation of any product(s). Nitrous oxide is for off-road use only.

[WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES](http://WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES)

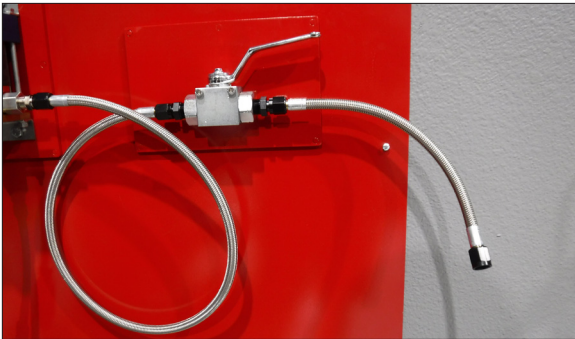




# Nitrous Pump Station Installation Instructions

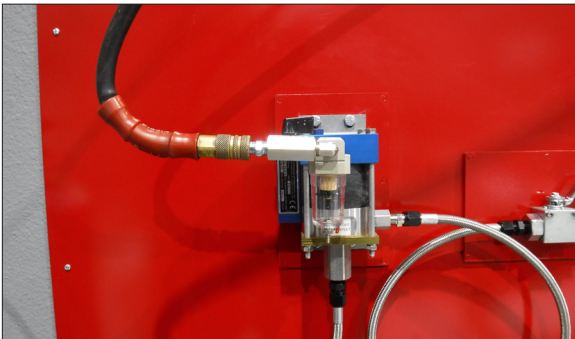
PART NUMBER 00-68002

## INSTALLATION INSTRUCTIONS



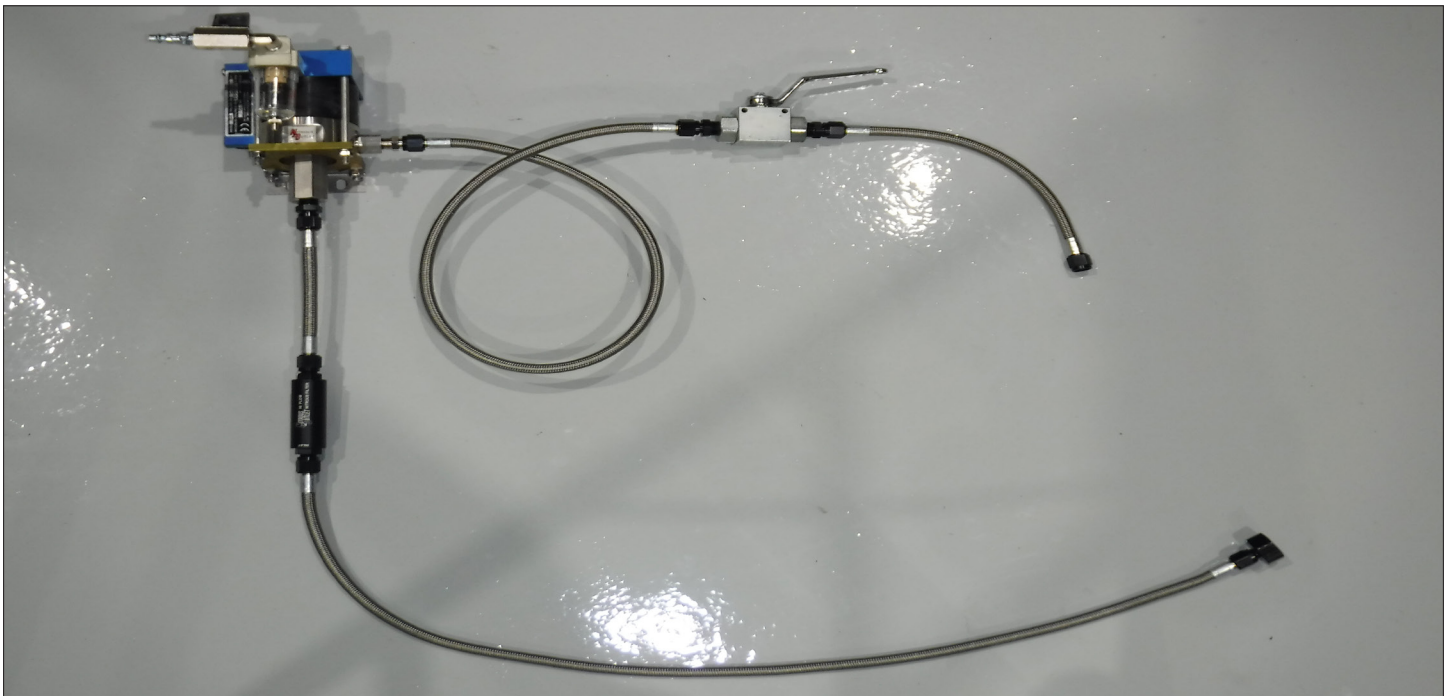
### Step 10:

Connect the opposite end of the shut off valve to the 11" 6AN hose.



### Step 11:

Connect air hose to the air supply on the nitrous pump.



**IMPORTANT:** All appropriate safety equipment (gloves, tools etc.) must be used during the installation of this product(s). Nitro Dave's LLC accepts NO responsibility for injuries resulting in the installation of any product(s). Nitrous oxide is for off-road use only.

[WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES](http://WWW.NITROUSOUTLET.COM/INSTALLATION-GUIDES)