

HOW TO READ A DRY FLOW SHEET

Dry Nitrous to Fuel Flow Sheet						NITROUS OUTLET					305 S. 28th St • Waco, TX • 76710 254.848.4300 • www.nitrousoutlet.com	
Customer Name						A. Nitro Dave						
System Type						B. Stinger 3 Plate, Boomerang Bracket, 1/4 Hard Lines						
Bottle Configuration						C. Single 15lb with .508 ID Billet Valve						
N2O Pressure						D. 950 PSI						
Solenoids						E. Single .178 N2O						
Nozzles/ Dist.						F. Stinger 3 Plate						
Feed Line Size/Length						G. 4FT 6AN, To Shut Off Valve And Filter Assembly, to 3FT AN Hose, to Solenoid						
Stage	Jet	PSI Drop	lbs 5 Sec.	lbs Hour	Horse Power	Fuel Pounds Per Hour by Nitrous to Fuel Ratio					Notes	
						O. 11:1	12:1	13:1	14:1	15:01		
H. 1	I. 0.125	J. 80	K. 2.37	L. 1706.4	M. 474	N. 155	142	131	122	114	P. Start At 12:1	

Customer Name and System Data

- A - Customer Name - This area has the customer's name.
- B - System Type - This area describes the nitrous system.
- C - Bottle Configuration - This area describes how many nitrous bottles, the bottle size, and the bottle valve used.
- D - N2O Pressure - This area describes the flowing nitrous pressure.
- E - Solenoids - This area describes what solenoids, how many solenoids and any modifications to the solenoids.
- F - Nozzles/Dist. - This area describes the discharge nozzles and distribution blocks the system has.
- G - Feed Line Size/Length - This area describes what size feed line, how long the feed line is and any items in the feed line path from the bottle to the solenoids.

Nitrous and Horsepower Data

- H - Stage - This area list which system stage the data is for.
- I - N2O Jet - This area list which nitrous jet was flowed.
- J - PSI Drop - This area list how much nitrous pressure dropped during the flowed 5 second time period.
- K - Lbs. 5 Sec. - This area list how many pounds of nitrous flowed through the system in a 5 second time period.
- L - N2O lbs. Hour - This area list how many pounds of nitrous flowed through the system in an hour.
- M - Horsepower - This area lists the estimated horse power level that the nitrous jet will provide based off the amount of nitrous flowed through the system.

Fuel Pounds Per Hour

- N - Fuel Pounds Per Hour - This area lists how many PPH of Fuel to add to the engine tune-up in order to achieve the above nitrous to fuel ratio.

Final Tune-Up Data

- O - N2O/Fuel Ratio - This area list the achieved Nitrous to Fuel ratio. (Lower Number = Richer, Higher Number = Leaner)

- P - Notes - This area lists the recommended starting point on the tune up and any tune up notes needed.

How To Read A Flow Sheet For A Dry Nitrous System

- Step 1: Choose the stage you are changing. (Section H)
- Step 2: Choose the horsepower level you desire. (Section M)
- Step 3: Use the nitrous jet suggested. (Section I)
- Step 4: Reference the suggested starting Nitrous to Fuel ratio listed in notes. (Section P)
- Step 5: Add the PPH of fuel listed under the suggested Nitrous to Fuel ratio (Section N) into the fuel tables in the ECU's nitrous tune.
- Step 6: Referencing wideband and spark plug data, adjust the fuel PPH (Section N) to richen or lean the tune up, which is shown in the Nitrous to Fuel ratio's. (Section O) (Lower number = Richer, Higher number = Leaner)

Flow Data Facts:

1. PPH stands for Pounds Per Hour.
2. HP stands for horsepower.
3. PPH is used to calculate estimated horsepower numbers.
4. Nitrous Outlet uses a 3.6 divider. (PPH / 3.6 = HP)
5. Using flowed PPH numbers provides the most accurate data for calculating how many degrees of timing to remove.
6. Reviewing nitrous pressure drop can show inefficiencies in system components.
7. Suggested Nitrous to Fuel Ratio's vary depending on system type.
Dry Plate and Direct Port = 12:1
Wet Plate = 8:1
Wet Direct Port = 7:1

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