

Nitrous to Fuel Flow Chart



305 S. 28th St. • Waco, TX • 76710
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Customer Name	Nitrous Outlet Research & Development Department
System Type	00-10654-GEN3-SF 4500 Stinger 3 Boomerang Bracket
Bottle Configuration	Single 15lb
N20 Pressure	950 Psi
Solenoids	.122 N20 / .177 Fuel
Nozzles/ Dist.	Stinger 3
Feed Line Size/Length	6an 16Ft
Flow Jet in Flow tool	Use fuel jet that you are using in the plate (Tune Ups were done setting pressure flowing through plate)

Stage	N20 Jet	PSI Drop	lbs 5 Sec.	N20 lbs Hour	Horse Power	Fuel Jet	Fuel PPH	Fuel PSI	N20:Fuel Ratio	Notes
	0.035	10	0.28	201.6	56	0.026	19	5	10.5:1	
	0.035	10	0.28	201.6	56	0.026	21.4	6	9.42:1	
	0.035	10	0.28	201.6	56	0.026	23.2	7	8.69:1	
	0.035	10	0.28	201.6	56	0.026	24.7	8	8.16:1	Start Here
	0.035	10	0.28	201.6	56	0.026	26.3	9	7.67:1	
	0.035	10	0.28	201.6	56	0.026	27.7	10	7.28:1	
	0.052	16	0.49	352.8	98	0.035	37	5	9.54:1	
	0.052	16	0.49	352.8	98	0.035	40.8	6	8.65:1	
	0.052	16	0.49	352.8	98	0.035	44.1	7	8:1	Start Here
	0.052	16	0.49	352.8	98	0.035	47	8	7.51:1	
	0.052	16	0.49	352.8	98	0.035	50.3	9	7.01:1	
	0.052	16	0.49	352.8	98	0.035	51.3	10	6.88:1	
	0.062	23	0.71	511.2	142	0.040	54.6	5	9.36:1	
	0.062	23	0.71	511.2	142	0.040	60.1	6	8.51:1	
	0.062	23	0.71	511.2	142	0.040	64	7	7.99:1	Start Here
	0.062	23	0.71	511.2	142	0.040	69.9	8	7.31:1	
	0.062	23	0.71	511.2	142	0.040	73.5	9	6.96:1	

	0.062	23	0.71	511.2	142	0.040	78.4	10	6.52:1	
	0.064	27	0.76	547.2	152	0.043	57.8	5	9.47:1	
	0.064	27	0.76	547.2	152	0.043	63.6	6	8.6:1	
	0.064	27	0.76	547.2	152	0.043	68.4	7	8:1	Start Here
	0.064	27	0.76	547.2	152	0.043	72.7	8	7.53:1	
	0.064	27	0.76	547.2	152	0.043	76.9	9	7.12:1	
	0.064	27	0.76	547.2	152	0.043	78.3	10	6.99:1	
	0.072	35	0.96	691.2	192	0.048	72.3	5	9.56:1	
	0.072	35	0.96	691.2	192	0.048	79	6	8.75:1	
	0.072	35	0.96	691.2	192	0.048	85.9	7	8.05:1	Start Here
	0.072	35	0.96	691.2	192	0.048	90.3	8	7.65:1	
	0.072	35	0.96	691.2	192	0.048	92.6	9	7.46:1	
	0.072	35	0.96	691.2	192	0.048	94.9	10	7.28:1	
	0.078	37	1.08	777.6	216	0.050	77.1	5	10.09:1	
	0.078	37	1.08	777.6	216	0.050	84.4	6	9.21:1	
	0.078	37	1.08	777.6	216	0.050	91.2	7	8.53:1	
	0.078	37	1.08	777.6	216	0.050	97.4	8	7.98:1	Start Here
	0.078	37	1.08	777.6	216	0.050	103.9	9	7.48:1	
	0.078	37	1.08	777.6	216	0.050	108.4	10	7.17:1	
	0.082	43	1.17	842.4	234	0.052	81.6	5	10.32:1	
	0.082	43	1.17	842.4	234	0.052	90.2	6	9.34:1	
	0.082	43	1.17	842.4	234	0.052	97.7	7	8.62:1	
	0.082	43	1.17	842.4	234	0.052	105.3	8	8:1	Start Here
	0.082	43	1.17	842.4	234	0.052	112.6	9	7.48:1	
	0.082	43	1.17	842.4	234	0.052	115.6	10	7.29:1	
	0.086	40	1.27	914.4	254	0.054	91.4	5	10:1	

	0.086	40	1.27	914.4	254	0.054	100.3	6	9.12:1	
	0.086	40	1.27	914.4	254	0.054	109.9	7	8.32:1	Start at 7.5 Psi (8.0:1)
	0.086	40	1.27	914.4	254	0.054	118.7	8	7.7:1	
	0.086	40	1.27	914.4	254	0.054	124.6	9	7.34:1	
	0.086	40	1.27	914.4	254	0.054	128.1	10	7.14:1	
	0.093	53	1.43	1029.6	286	0.066	102.9	5	10.01:1	
	0.093	53	1.43	1029.6	286	0.066	113.8	6	9.05:1	
	0.093	53	1.43	1029.6	286	0.066	124.1	7	8.3:1	Start at 7.5 Psi (8.0:1)
	0.093	53	1.43	1029.6	286	0.066	132.7	8	7.76:1	
	0.093	53	1.43	1029.6	286	0.066	142.2	9	7.24:1	
	0.093	53	1.43	1029.6	286	0.066	150.1	10	6.86:1	
	0.099	51	1.65	1188	330	0.070	121.4	5	9.79:1	
	0.099	51	1.65	1188	330	0.070	133.3	6	8.91:1	
	0.099	51	1.65	1188	330	0.070	144.6	7	8.22:1	Start at 7.5 Psi (7.99:1)
	0.099	51	1.65	1188	330	0.070	154.1	8	7.71:1	
	0.099	51	1.65	1188	330	0.070	164.1	9	7.24:1	
	0.099	51	1.65	1188	330	0.070	173.3	10	6.86:1	
	0.105	61	1.83	1317.6	366	0.074	132.4	5	9.95:1	
	0.105	61	1.83	1317.6	366	0.074	145.7	6	9.04:1	
	0.105	61	1.83	1317.6	366	0.074	158.2	7	8.33:1	Start at 7.5 Psi (8.01:1)
	0.105	61	1.83	1317.6	366	0.074	169.1	8	7.79:1	
	0.105	61	1.83	1317.6	366	0.074	180.3	9	7.31:1	
	0.105	61	1.83	1317.6	366	0.074	190.5	10	6.92:1	
	0.110	59	1.88	1353.6	376	0.078	138.2	5	9.79:1	
	0.110	59	1.88	1353.6	376	0.078	151.2	6	8.95:1	
	0.110	59	1.88	1353.6	376	0.078	164.1	7	8.25:1	Start at 7.5 Psi (8.0:1)
	0.110	59	1.88	1353.6	376	0.078	175.3	8	7.72:1	

	No Jet	77	2.46	1771.2	492	0.099	186.7	5	9.49:1	
	No Jet	77	2.46	1771.2	492	0.099	206.9	6	8.56:1	
	No Jet	77	2.46	1771.2	492	0.099	224.5	7	7.89:1	Start Here
	No Jet	77	2.46	1771.2	492	0.099	241.6	8	7.33:1	
	No Jet	77	2.46	1771.2	492	0.099	256.2	9	6.91:1	
	No Jet	77	2.46	1771.2	492	0.099	272.2	10	6.51:1	