

Nitrous to Fuel Flow Chart



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Customer Name	Nitrous Outlet
System Type	Mother Pucker
Bottle Configuration	Single 15 lb, .508 ID Billet Valve
N2O Pressure	950 PSI
Solenoids	.178 Nitrous / .310 Fuel
Nozzles/ Dist.	Mother Pucker, 4an swivel fitting, 6an hose with 4an nuts
Feed Line Size/Length	5' 6an Hose
Flow Jet in Flow tool	0.073

Stage	N2O Jet	PSI Drop	lbs 5 Sec.	N2O lbs Hour	Horse Power	Fuel Jet	Fuel PPH	Fuel PSI	N2O:Fuel Ratio	Notes
	0.050	28	0.51	367.2	102	0.038	35	5	10.46:1	
	0.050	28	0.51	367.2	102	0.038	43.7	6	8.4:1	
	0.050	28	0.51	367.2	102	0.038	45.3	7	8.11:1	Start at 7.5 PSI = 46.2 PPH (7.97:1)
	0.050	28	0.51	367.2	102	0.038	50	8	7.34:1	
	0.050	28	0.51	367.2	102	0.038	53	9	6.93:1	
	0.050	28	0.51	367.2	102	0.038	53	10	6.93:1	
	0.064	42	0.83	597.6	166	0.048	67	5	8.92:1	
	0.064	42	0.83	597.6	166	0.048	74	6	8.08:1	Start at 6.5 PSI = 76 PPH (7.8:1)
	0.064	42	0.83	597.6	166	0.048	79.3	7	7.54:1	
	0.064	42	0.83	597.6	166	0.048	85	8	7.03:1	
	0.064	42	0.83	597.6	166	0.048	91	9	6.57:1	
	0.064	42	0.83	597.6	166	0.048	95	10	6.29:1	
	0.076	55	1.04	748.8	208	0.054	79	5	9.48:1	
	0.076	55	1.04	748.8	208	0.054	85.5	6	8.76:1	
	0.076	55	1.04	748.8	208	0.054	94	7	7.97:1	Start Here
	0.076	55	1.04	748.8	208	0.054	99	8	7.56:1	
	0.076	55	1.04	748.8	208	0.054	106	9	7.06:1	

	0.076	55	1.04	748.8	208	0.054	111.5	10	6.72:1	
	0.084	50	1.33	957.6	266	0.062	102	5	9.39:1	
	0.084	50	1.33	957.6	266	0.062	114	6	8.4:1	Start at 6.5 PSI = 118 PPH (8.1:1)
	0.084	50	1.33	957.6	266	0.062	122	7	7.85:1	
	0.084	50	1.33	957.6	266	0.062	132.5	8	7.23:1	
	0.084	50	1.33	957.6	266	0.062	141	9	6.79:1	
	0.084	50	1.33	957.6	266	0.062	148	10	6.47:1	
	0.092	58	1.55	1116	310	0.066	112	5	9.96:1	
	0.092	58	1.55	1116	310	0.066	124	6	9:1	
	0.092	58	1.55	1116	310	0.066	133	7	8.39:1	Start at 7.5 PSI = 139 PPH (8:1)
	0.092	58	1.55	1116	310	0.066	143	8	7.8:1	
	0.092	58	1.55	1116	310	0.066	152	9	7.34:1	
	0.092	58	1.55	1116	310	0.066	161	10	6.93:1	
	0.100	61	1.75	1260	350	0.074	138	5	9.13:1	
	0.100	61	1.75	1260	350	0.074	154	6	8.18:1	Start at 6.5 PSI = 159 PPH (7.9:1)
	0.100	61	1.75	1260	350	0.074	162	7	7.78:1	
	0.100	61	1.75	1260	350	0.074	179	8	7.04:1	
	0.100	61	1.75	1260	350	0.074	190	9	6.63:1	
	0.100	61	1.75	1260	350	0.074	200	10	6.3:1	
	0.106	76	2	1440	400	0.078	142	5	10.14:1	
	0.106	76	2	1440	400	0.078	158.5	6	9.09:1	
	0.106	76	2	1440	400	0.078	170	7	8.47:1	Start at 7.5 PSI = 177 PPH (8.1:1)
	0.106	76	2	1440	400	0.078	181	8	7.96:1	
	0.106	76	2	1440	400	0.078	191	9	7.54:1	
	0.106	76	2	1440	400	0.078	204	10	7.06:1	
	0.118	72	2.27	1634.4	454	0.086	171	5	9.56:1	

