



N5 Series Gas Regulator



The N5 Series gas regulator is a Certified CSA 6.22/ANSI Z21.80 self-operating regulator with vent limiting option for use in residential, commercial and industrial applications. The N5 vent limiting option allows for indoor use without the need to pipe external vent lines. With the added benefit of extended corrosion resistance the N5 allows for various applications where the best regulation performance is required.

FEATURES

- Certified CSA 6.22/ ANSI Z21.80 Line Pressure Regulators
- Vent limiter option
- Multi-position installation
- Extended corrosion resistance
- Up to 15 psig operating pressure

N5A

3/8" – 1/2" – 3/4"

CAPACITY TABLE

N5A Outlet Pressure - BTU x1000 - 1" Pressure Drop

INLET PRESSURE	4" wc		7" wc		10" wc		14" wc		21" wc		1 psi		2 psi	
	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP
1/2 PSI	171	269	165	260	120	189	—	—	—	—	—	—	—	—
1 PSI	312	491	234	369	249	392	218	343	200	315	—	—	—	—
2 PSI	358	564	358	564	343	540	340	536	335	528	300	473	—	—
5 PSI	506	797	468	737	468	737	450	709	450	709	450	709	445	701
10 PSI	520	819	500	788	500	788	510	803	500	788	498	784	480	756
15 PSI	620	977	610	961	600	945	623	981	610	961	600	945	580	914

NG = 0 .63 S.G. gas = 1CF/1000BTU

LP = 1.53 S.G. gas = 1CF/2500BTU

N5B

1/2" – 3/4" – 1"

CAPACITY TABLE

N5B Outlet Pressure - BTU x1000 - 1" Pressure Drop

INLET PRESSURE	4" wc		7" wc		10" wc		14" wc		21" wc		1 psi		2 psi	
	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP
1/2 PSI	480	756	390	614	312	491	—	—	—	—	—	—	—	—
1 PSI	701	1104	686	1080	647	1019	584	920	468	737	—	—	—	—
2 PSI	1013	1595	982	1547	1013	1595	935	1473	896	1411	779	1227	—	—
5 PSI	1613	2540	1558	2454	1558	2454	1597	2515	1558	2454	1504	2369	1247	1964
10 PSI	2197	3460	2182	3437	2182	3437	2000	3150	1980	3119	1900	2993	1800	2835
15 PSI	2500	3938	2300	3623	2280	3591	2200	3465	2150	3386	2100	3308	2000	3150

NG = 0 .63 S.G. gas = 1CF/1000BTU

LP = 1.53 S.G. gas = 1CF/2500BTU

N5C

1-1/4" - 1-1/2"

CAPACITY TABLE

N5C Outlet Pressure - BTU x1000 - 1" Pressure Drop

INLET PRESSURE	4" wc		7" wc		10" wc		14" wc		21" wc		1 psi		2 psi	
	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP
1/2 PSI	857	1350	701	1104	701	1104	—	—	—	—	—	—	—	—
1 PSI	1300	2048	1160	1827	1091	1718	1030	1622	818	1288	—	—	—	—
2 PSI	1753	2761	1710	2693	1710	2693	1700	2678	1442	2271	1210	1906	—	—
5 PSI	2250	3544	2200	3465	2100	3308	2050	3229	1850	2914	1500	2363	1310	2063
10 PSI	3400	5355	3250	5119	3200	5040	3050	4804	2810	4426	2500	3938	2300	3623
15 PSI	5000	7875	4900	7718	4550	7166	4410	6946	4300	6773	4210	6631	3900	6143

NG = 0 .63 S.G. gas = 1CF/1000BTU

LP = 1.53 S.G. gas = 1CF/2500BTU

N5D

1-1/2" - 2"

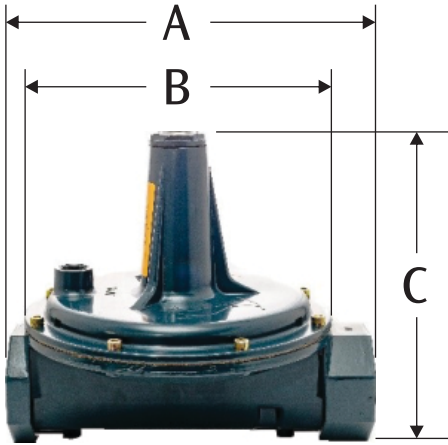
CAPACITY TABLE

N5D Outlet Pressure - BTU x1000 - 1" Pressure Drop

INLET PRESSURE	4" wc		7" wc		10" wc		14" wc		21" wc		1 psi	
	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP	NG	LP
1/2 PSI	1910	3008	1540	2426	1310	2063	—	—	—	—	—	—
1 PSI	2310	3638	2260	3560	1950	3071	1650	2599	1247	1964	—	—
2 PSI	2900	4568	2890	4552	2700	4253	2510	3953	2300	3623	1558	2454
5 PSI	4210	6631	4200	6615	4100	6458	3560	5607	3300	5198	3200	5040
10 PSI	5100	8033	5100	8033	5000	7875	4710	7418	4200	6615	3910	6158
15 PSI	8260	13010	8200	12915	8400	13230	7150	11261	6200	9765	5650	8899

NG = 0 .63 S.G. gas = 1CF/1000BTU

LP = 1.53 S.G. gas = 1CF/2500BTU



MODEL	Pipe Size (NPT)	Vent (NPT)	Dimension (inches)			Weight (LB)
			A	B	C	
N5A	3/8", 1/2", 3/4"	1/8"	4.2"	4.0"	3.5"	0.85 lb.
N5B	1/2", 3/4", 1"	3/8"	6.0"	5.5"	5.5"	1.75 lb.
N5C	1-1/4", 1-1/2"	1/2"	8.0"	7.0"	7.5"	3.30 lb.
N5D	1-1/2", 2"	1/2"	10.8"	9.2"	9.4"	7.7 lb.

SPECIFICATIONS

- Pipe Sizes 3/8" to 2" NPT
 Gas Types Natural gas, LPG, air, Other dry non corrosive gases.
 Maximum Inlet Pressure 2 psig(meets CSA); 15 psig max.
 W/Vent Limiter 2 psig(meets CSA); 10 psig max.
- Maximum Emergency Inlet Pressure 85 psig
- Materials
- Housing Epoxy coated aluminum
 - Diaphragm Reinforced Buna N
 - Valve seat Buna N



OPTIONS

- | | | |
|----------------------|-----------------|---------------------|
| VENT LIMITER* | VENT CAP | VENT ELBOW** |
| N5A – VL0125 | N5A – VC0125 | N5A – VE0125 |
| N5B – VL0375 | N5B – VC0375 | N5B – VE0375 |
| N5C/D – VL0500 | N5C/D – VC0500 | N5C/D – VE0500 |

CSA Certified - STD Springs		Other Springs - NON-CSA	
7-11" wc	Silver	3-13"wc	Orange
12-14" wc	Yellow	10-23"wc	Green
		15"-30"wc	Red
		21"-1.5psi	White

* INDOOR USE ONLY. MUST be installed in upright position. Meets CSA.
 ** For use with VL & VC for other than horizontal to vertical installation.

Non-Horizontal Install*



Vent Limiter



Vent Cap



Elbow & Vent Limiter



Elbow & Vent Cap

* Flow direction cannot come from top.