

Reduce Costs, increase Profits!

Using an in-house nitrogen generator to supply your nitrogen gas demand is the easiest way to reduce nitrogen related costs, and thus increase profits. The Niagara™ Series of nitrogen generators has been designed to be the most efficient, reliable, and durable nitrogen generator available. With a rich list of features and available HoltecConnect™ communications and troubleshooting portal, Niagara™ is the workhorse of the Pressure-Swing Adsorption™ world.

Niagara™ Physical Characteristics

(Dimensions in inches, weight in pounds)



Model Number	Inlet	Outlet	L	W	H	Weight
HNS-145	1.5	1	48	34	107	2,740
HNS-155	1.5	1	48	34	115	2,860
HNS-170	1.5	1	48	34	122	2,980
HNS-185	1.5	1	64	34	100	3,130
HNS-205	1.5	1	64	34	108	3,290
HNS-225	1.5	1	64	34	116	3,450
HNS-245	1.5	1	64	34	124	3,610
HNS-270	1.5	1	64	34	134	3,810
HNS-295	2	1.5	76	48	100	4,330
HNS-325	2	1.5	76	48	107	4,520
HNS-360	2	1.5	76	48	116	4,750
HNS-395	2	1.5	76	48	125	4,990
HNS-440	2	1.5	76	48	136	5,280
HNS-485	2	1.5	76	48	110	6,120
HNS-535	2	1.5	76	48	119	6,430
HNS-590	2	1.5	76	48	128	6,760
HNS-650	2	1.5	76	48	138	7,120
HNS-710	2	1.5	76	48	148	7,480
HNS-775	3	2	95	53	125	8,030
HNS-855	3	2	95	53	134	8,510
HNS-935	3	2	95	53	143	8,990
HNS-1030	3	2	95	53	153	9,550
HNS-1135	3	2	95	53	164	10,170
HNS-1250	3	2	95	53	177	10,870
HNS-1375	4	3	111	60	148	14,090
HNS-1520	4	3	111	60	159	15,010
HNS-1670	4	3	111	60	171	15,980
HNS-1820	4	3	111	60	182	16,910
HNS-2000	4	3	120	66	158	17,430
HNS-2220	4	3	120	66	170	19,200
HNS-2445	4	3	120	66	183	20,540
HNS-2700	4	3	120	66	197	22,030
HNS-3000	4	3	120	66	213	23,760
HNS-3280	6	3	125	76	190	28,620
HNS-3620	6	3	125	76	204	30,650
HNS-4000	6	3	125	76	220	32,950

Major Features:

- Nitrogen purity up to 99.9995%
- Low power consumption
- Modbus TCP/IP standard for connection to customer controls
- HoltecConnect™ compatible
- Long life components - no major replacements recommended during first 5 years
- Tamper resistant controls
- Password protected screens



Niagara™ Performance* - 70°F
(Flows listed in SCFM)

Model Number	95%	96%	97%	98%	99%	99.5%	99.9%	99.99%	99.999%
HNS-145	84.5	69.7	60.3	52.4	42.2	34.9	27.6	17.1	10.7
HNS-155	92.2	76.0	65.8	57.2	46.0	38.1	30.1	18.6	11.6
HNS-170	100.4	82.8	71.7	62.4	50.1	41.5	32.8	20.3	12.7
HNS-185	109.9	90.6	78.4	68.2	54.9	45.4	35.9	22.2	13.9
HNS-205	121.1	99.9	86.4	75.2	60.5	50.0	39.6	24.5	15.3
HNS-225	132.9	109.6	94.9	82.5	66.4	54.9	43.5	26.8	16.8
HNS-245	144.8	119.3	103.3	89.9	72.3	59.8	47.3	29.2	18.3
HNS-270	159.5	131.5	113.9	99.0	79.6	65.9	52.2	32.2	20.1
HNS-295	174.3	143.7	124.4	108.2	87.0	72.0	57.0	35.2	22.0
HNS-325	192.0	158.3	137.1	119.2	95.8	79.3	62.8	38.8	24.2
HNS-360	212.7	175.4	151.8	132.0	106.2	87.9	69.6	43.0	26.8
HNS-395	233.4	192.4	166.6	144.9	116.5	96.4	76.3	47.1	29.5
HNS-440	260.0	214.3	185.5	161.4	129.8	107.4	85.0	52.5	32.8
HNS-485	286.6	236.3	204.5	177.9	143.0	118.4	93.7	57.9	36.2
HNS-535	316.1	260.6	225.6	196.2	157.8	130.6	103.4	63.8	39.9
HNS-590	348.6	287.4	248.8	216.4	174.0	144.0	114.0	70.4	44.0
HNS-650	384.1	316.6	274.1	238.4	191.7	158.6	125.6	77.6	48.5
HNS-710	419.5	345.9	299.4	260.4	209.4	173.3	137.2	84.7	52.9
HNS-775	457.9	377.5	326.8	284.3	228.6	189.2	149.7	92.5	57.8
HNS-855	505.2	416.5	360.5	313.6	252.2	208.7	165.2	102.0	63.8
HNS-935	552.4	455.5	394.3	342.9	275.7	228.2	180.7	111.6	69.7
HNS-1030	608.6	501.7	434.3	377.8	303.8	251.4	199.0	122.9	76.8
HNS-1135	670.6	552.9	478.6	416.3	334.7	277.0	219.3	135.4	84.6
HNS-1250	738.6	608.9	527.1	458.5	368.6	305.1	241.5	149.2	93.2
HNS-1375	812.4	669.8	579.8	504.3	405.5	335.6	265.7	164.1	102.5
HNS-1520	898.1	740.4	641.0	557.5	448.3	371.0	293.7	181.4	113.4
HNS-1670	986.7	813.5	704.2	612.5	492.5	407.6	322.7	199.3	124.5
HNS-1820	1075.3	886.6	767.5	667.5	536.7	444.2	351.7	217.2	135.7
HNS-2000	1181.7	974.2	843.4	733.6	589.8	488.1	386.4	238.6	149.2
HNS-2220	1311.7	1081.4	936.2	814.3	654.7	541.8	428.9	264.9	165.6
HNS-2445	1444.6	1191.0	1031.0	896.8	721.1	596.7	472.4	291.7	182.3
HNS-2700	1595.3	1315.2	1138.6	990.3	796.3	659.0	521.7	322.2	201.4
HNS-3000	1772.5	1461.4	1265.1	1100.3	884.7	732.2	579.7	358.0	223.7
HNS-3280	1938.0	1597.7	1383.2	1203.0	967.3	800.5	633.8	391.4	244.6
HNS-3620	2138.9	1763.4	1526.5	1327.7	1067.6	883.5	699.5	431.9	270.0
HNS-4000	2363.4	1948.5	1686.8	1467.1	1179.7	976.3	772.9	477.3	298.3
Air Factor	1.83	1.91	2.00	2.13	2.36	2.59	3.11	4.12	5.49

*Performance and air factor listed is for ambient temperature 70°F and inlet pressure 110 psig. Please consult Holtec for performance at other conditions. Air factor listed may vary by ±5%.



Niagara™ Performance - 95 °F*
(Flows listed in SCFM)

Model Number	95%	96%	97%	98%	99%	99.5%	99.9%	99.99%	99.999%
HNS-145	68.4	59.3	53.3	47.2	37.9	31.2	24.4	14.7	8.8
HNS-155	74.6	64.7	58.1	51.5	41.4	34.0	26.6	16.0	9.6
HNS-170	81.3	70.5	63.3	56.1	45.1	37.1	29.0	17.5	10.4
HNS-185	89.0	77.2	69.3	61.3	49.3	40.5	31.7	19.1	11.4
HNS-205	98.1	85.1	76.4	67.6	54.3	44.7	35.0	21.1	12.6
HNS-225	107.6	93.4	83.8	74.2	59.6	49.0	38.4	23.1	13.8
HNS-245	117.2	101.7	91.3	80.8	64.9	53.4	41.8	25.2	15.0
HNS-270	129.1	112.0	100.6	89.1	71.6	58.9	46.0	27.7	16.6
HNS-295	141.1	122.4	109.9	97.3	78.2	64.3	50.3	30.3	18.1
HNS-325	155.4	134.8	121.1	107.2	86.2	70.8	55.4	33.4	19.9
HNS-360	172.2	149.4	134.1	118.7	95.4	78.5	61.4	37.0	22.1
HNS-395	188.9	163.9	147.2	130.3	104.7	86.1	67.4	40.6	24.2
HNS-440	210.5	182.6	163.9	145.1	116.6	95.9	75.0	45.2	27.0
HNS-485	232.0	201.2	180.7	160.0	128.6	105.7	82.7	49.8	29.8
HNS-535	255.9	222.0	199.3	176.5	141.8	116.6	91.2	55.0	32.8
HNS-590	282.2	244.8	219.8	194.6	156.4	128.6	100.6	60.6	36.2
HNS-650	310.9	269.7	242.2	214.4	172.3	141.7	110.8	66.8	39.9
HNS-710	339.6	294.6	264.5	234.2	188.2	154.8	121.1	72.9	43.6
HNS-775	370.7	321.6	288.7	255.6	205.4	168.9	132.1	79.6	47.6
HNS-855	409.0	354.8	318.5	282.0	226.6	186.4	145.8	87.8	52.5
HNS-935	447.2	387.9	348.3	308.4	247.9	203.8	159.4	96.0	57.4
HNS-1030	492.7	427.4	383.7	339.7	273.0	224.5	175.6	105.8	63.2
HNS-1135	542.9	470.9	422.8	374.4	300.9	247.4	193.5	116.6	69.6
HNS-1250	597.9	518.6	465.7	412.3	331.4	272.5	213.1	128.4	76.7
HNS-1375	657.7	570.5	512.2	453.5	364.5	299.7	234.4	141.2	84.4
HNS-1520	727.0	630.7	566.3	501.3	402.9	331.3	259.2	156.1	93.3
HNS-1670	798.8	692.9	622.1	550.8	442.7	364.0	284.7	171.5	102.5
HNS-1820	870.5	755.1	678.0	600.3	482.5	396.7	310.3	186.9	111.7
HNS-2000	956.6	829.8	745.1	659.7	530.2	435.9	341.0	205.4	122.7
HNS-2220	1061.8	921.1	827.0	732.2	588.5	483.9	378.5	228.0	136.2
HNS-2445	1169.5	1014.5	910.9	806.4	648.1	532.9	416.9	251.1	150.0
HNS-2700	1291.4	1120.3	1005.9	890.5	715.7	588.5	460.4	277.3	165.7
HNS-3000	1434.9	1244.7	1117.6	989.5	795.3	653.9	511.5	308.1	184.1
HNS-3280	1568.8	1360.9	1221.9	1081.8	869.5	714.9	559.3	336.9	201.2
HNS-3620	1731.5	1502.0	1348.6	1194.0	959.6	789.0	617.2	371.8	222.1
HNS-4000	1913.2	1659.7	1490.2	1319.3	1060.3	871.9	682.0	410.8	245.4
Air Factor	2.00	2.09	2.19	2.34	2.59	2.85	3.44	4.71	6.46

*Performance and air factor listed is for ambient temperature 95° F and inlet pressure 110 psig. Please consult Holtec for performance at other conditions. Air factor listed may vary by ±5%.

