

GENERON®

TRITON₂

Twin Tower PSA Nitrogen Generator

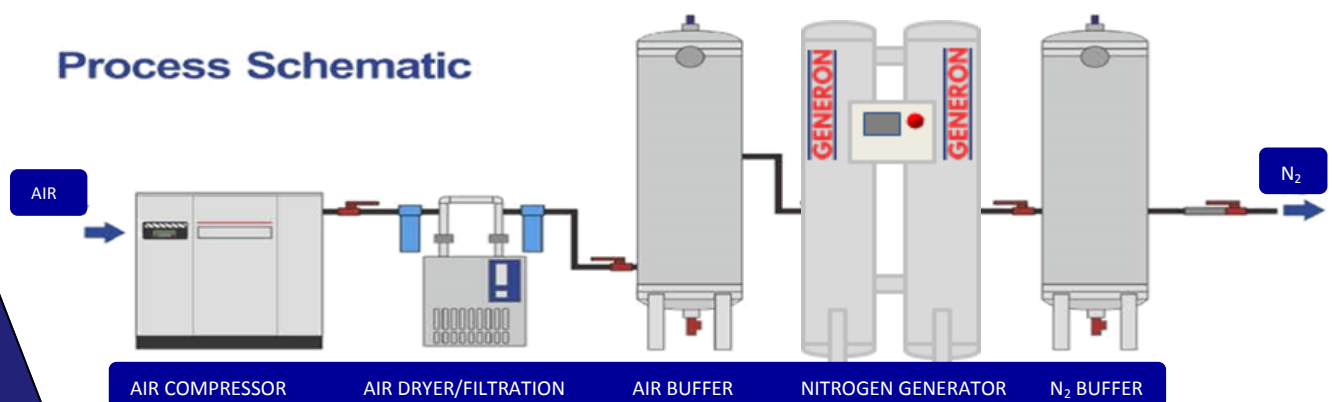
GENERON® Twin Tower PSA Nitrogen Generators separate nitrogen from compressed air utilizing Pressure Swing Adsorption (PSA) technology. This product line is designed for medium to large flow rates and have a reduced footprint. It consists of single pairs of our Twin Tower Adsorber Vessels and air and nitrogen buffer vessels (installed on a common skid or supplied separately).

Standard Features:

- ASME Adsorber Vessels
- High Cycle Life Pneumatic / Electric Valves
- Oxygen Analyzer with calibration kit
- Pressure Safety Valve
- Nitrogen Pressure Regulator
- PLC Control System
- Carbon Steel Skid
- Exhaust Silencing Muffler
- Highest Performance Adsorbent Media

Options / Upgrades

- Inlet Filtration Package
- Post Filtration Package
- Product Flow Meter
- Auto Shut Down/Startup/Standby Mode
- Off Specification Circuit
- HMI Display Screen
- Compressed Air Buffer Tank
- Nitrogen Buffer Tank
- Master Controller driven for multiple unit operation
- Enhanced PLC with Telemetry
- Dew Point Analyzer
- Energy Saving Part-Load Control



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GENERON® TRITON₂ - Twin Tower PSA Nitrogen Generator

Advantages:

- Low Gas Generating Cost
- Low Energy Consumption
- Fully Automatic Unattended Operation
- Highly Reliable
- Easy Installation
- Low Maintenance
- Heavy Duty Construction
- No Hazardous Storage
- Low dBa Levels



NITROGEN PURITY / FLOW RATE

PSA	97%		99%		99.9%		99.99%		99.999%		Approx. Weight and Dimensions													
	SCFH	Nm ³ /h	SCFH	Nm ³ /h	SCFH	Nm ³ /h	SCFH	Nm ³ /h	SCFH	Nm ³ /h	H	W	L	Weight										
Inlet P (PSIG)	90	145	90	145	90	145	90	145	90	145	90	145	90	145	90	145	90	145	Inch	Inch	Inch	Lbs.		
Inlet P (Barg)	6.2	10	6.2	10	6.2	10	6.2	10	6.2	10	6.2	10	6.2	10	6.2	10	6.2	10						
NS-20-78	6188	10548	163.3	278.3	4552	7489	120.1	197.6	2616	3903	69.0	103.0	1770	2122	46.7	56.0	933	766	24.6	20.2	110	52	58	3851
NS-20-93	7378	12574	194.7	331.8	5441	8928	143.6	235.6	3128	4653	82.5	122.8	2115	2530	55.8	66.8	1115	913	29.4	24.1	110	50	54	4228
NS-24-75	8685	14799	229.2	390.5	6372	10507	168.1	277.2	3662	5476	96.6	144.5	2477	2977	65.4	78.5	1306	1075	34.5	28.4	97	54	60	4592
NS-24-85	9832	16755	259.4	442.1	7255	11896	191.4	313.9	4170	6200	110.0	163.6	2820	3371	74.4	88.9	1487	1217	39.2	32.1	118	54	60	5378
NS-30-68	12446	21209	328.4	559.6	9103	15058	240.2	397.3	5232	7848	138.0	207.1	3538	4267	93.4	112.6	1865	1541	49.2	40.7	103	72	72	6909
NS-30-81	14839	21209	391.5	559.6	10924	15058	288.2	397.3	6279	7848	165.7	207.1	4246	4267	112.0	112.6	2238	1541	59.1	40.7	121	72	72	7576
NS-36-74	19693	33557	519.6	885.4	14524	23826	383.2	628.7	8348	12417	220.3	327.6	5645	6751	148.9	178.1	2976	2438	78.5	64.3	116	74	88	9370
NS-36-95	25266	43053	666.6	1136.0	18570	30568	490.0	806.5	10674	15931	281.6	420.3	7218	8662	190.4	228.5	3805	3127	100.4	82.5	137	74	88	10882
NS-42-83	30216	51490	797.3	1358.6	22211	36558	586.0	964.6	12766	19053	336.8	502.7	8634	10359	227.8	273.3	4551	3740	120.1	98.7	135	84	112	15238
NS-48-74	34987	59667	923.1	1574.3	25805	42364	680.9	1117.8	14832	22079	391.3	582.6	10030	12004	264.6	316.7	5288	4334	139.5	114.4	127	90	112	15602
NS-48-85	40173	68457	1060.0	1806.3	29494	48605	778.2	1282.5	16952	25331	447.3	668.4	11464	13772	302.5	363.4	6044	4973	159.5	131.2	138	90	112	16360
NS-48-94	44433	75715	1172.4	1997.8	32771	53758	864.7	1418.4	18836	28017	497.0	739.2	12738	15233	336.1	401.9	6715	5500	177.2	145.1	147	90	112	16699
NS-60-68	50683	86366	1337.3	2278.8	37140	61320	979.9	1617.9	21347	31958	563.2	843.2	14436	17375	380.9	458.4	7611	6274	200.8	165.5	121	120	156	19988
NS-60-74	50683	86366	1337.3	2278.8	37140	61320	979.9	1617.9	21347	31958	563.2	843.2	14436	17375	380.9	458.4	7611	6274	200.8	165.5	127	120	156	20791
NS-60-81	55178	94025	1455.9	2480.9	40782	66759	1076.0	1761.5	23440	34792	618.5	918.0	15852	18916	418.3	499.1	8357	6830	220.5	180.2	184	120	156	21774
NS-60-88	60364	102862	1592.7	2714.0	44423	72872	1172.1	1922.7	25533	37979	673.7	1002.1	17267	20649	455.6	544.8	9103	7456	240.2	196.7	184	120	156	25515
NS-60-94	65550	111699	1729.6	2947.2	48064	79307	1268.2	2092.5	27626	41332	728.9	1090.6	18682	22472	492.9	592.9	9849	8114	259.9	214.1	184	120	156	28016

Flow and pressure values are averages throughout a cycle with tolerances of ±4%. Performance data based on 68°F (20°C) PSA inlet temperature. Standard conditions: 68°F (20°C) and 14.696 psi (1 atm). Custom sizes are available upon request.

GENERON

GENERON USA
16250 Tomball Parkway
Houston, Texas 77086
O - +1 .713. 937.5200
F - +1 .713. 937.5250
www.generon.com

