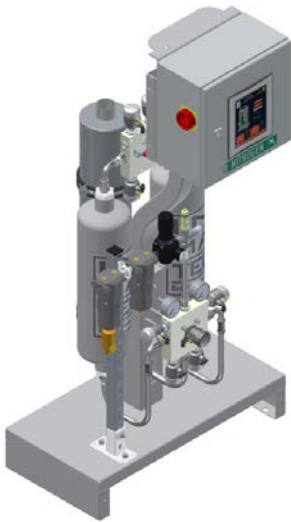


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Technical Data & Connections

IMT-PN 1150 PAN OV

Dimensions LxWxH (mm)	850 x 730 x 1645
Operating pressure	11 bar
Net weight (kg)	145
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 63 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	5,7	4,7	4,1	3,2	2,6	1,6	0,9	0,7	0,4
Comp. air Nm³/h	10,8	9,9	9,4	8,0	7,5	6,2	5,0	4,6	3,2

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%
Volume l	150	150	150

Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%
Volume l	150	150	150	90	90

Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1150 PAN

Dimensions LxWxH (mm)	925 x 560 x 1285
Operating pressure	11 bar
Net weight (kg)	135
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 40 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	5,7	4,7	4,1	3,2	2,6	1,6	0,9	0,7	0,4
Comp. air Nm³/h	10,8	9,9	9,4	8,0	7,5	6,2	5,0	4,6	3,2

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	150	150	150						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	150	150	150	90	90				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1250 PAN OV

Dimensions LxWxH (mm)	850 x 730 x 1645
Operating pressure	11 bar
Net weight (kg)	160
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 63 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	10,8	8,7	7,9	5,8	5,1	3,2	1,3	1,1	0,9
Comp. air Nm³/h	20,5	18,3	18,2	14,5	14,8	12,5	7,2	7,5	6,8

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	150	150	150						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	150	150	150	90	90				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1250 PAN

Dimensions LxWxH (mm)	925 x 560 x 1285
Operating pressure	11 bar
Net weight (kg)	150
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 40 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	10,8	8,7	7,9	5,8	5,1	3,2	1,3	1,1	0,9
Comp. air Nm³/h	20,5	18,3	18,2	14,5	14,8	12,5	7,2	7,5	6,8

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	150	150	150						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	150	150	150	90	90				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1280 PAN OV

Dimensions LxWxH (mm)	880 x 735 x 1645
Operating pressure	11 bar
Net weight (kg)	190
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 63 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	16,5	13,4	12,0	9,0	7,7	4,8	2,4	1,8	1,3
Comp. air Nm³/h	31,3	28,8	27,6	22,5	22,3	18,7	13,2	12,6	10,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	150	150	150						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	150	150	150	90	90				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1280 PAN

Dimensions LxWxH (mm)	925 x 560 x 1285
Operating pressure	11 bar
Net weight (kg)	180
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 40 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	16,5	13,4	12,0	9,0	7,7	4,8	2,4	1,8	1,3
Comp. air Nm³/h	31,4	28,1	27,6	22,5	22,3	18,7	13,2	12,6	10,4

* above values apply at 7 bar inlet pressure and 20 °C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%
Volume l	150	150	150

Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%
Volume l	150	150	150	90	90

Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48

Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1350 PAN OV

Dimensions LxWxH (mm)	735 x 880 x 1645
Operating pressure	11 bar
Net weight (kg)	280
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 63 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	20,8	17,1	15,8	12,6	9,5	6,3	3,2	2,5	1,8
Comp. air Nm³/h	39,5	36,3	35,9	31,5	27,6	24,6	17,6	17,5	14,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	270	270	270						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	270	150	150	90	90				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

Onsite is our World



Technical Data & Connections

IMT-PN 1350 PAN

Dimensions LxWxH (mm)	1115 x 660 x 1665
Operating pressure	11 bar
Net weight (kg)	275
Compressed air connection	G 1"
N ₂ output	G 1/2"
Silencer output	DN 40 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	20,8	17,1	15,8	12,6	9,5	6,3	3,2	2,5	1,8
Comp. air Nm³/h	39,5	36,3	35,9	31,5	27,6	24,6	17,6	17,5	14,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	270	270	270						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	270	150	150	90	90				
Temperature in °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

Onsite is our World



Technical Data & Connections

IMT-PN 1450 PAN OV

Dimensions LxWxH (mm)	880 x 735 x 1765
Operating pressure	11 bar
Net weight (kg)	310
Compressed air connection	G 1/2"
N ₂ output	G 1/2"
Silencer output	DN 63 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	31,2	25,6	23,7	18,9	14,2	9,5	4,8	3,6	2,4
Comp. air Nm³/h	59,3	54,5	53,8	47,3	41,2	37,1	26,4	25,2	19,2

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	270	270	270						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	270	270	270	150	150				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

Onsite is our World



Technical Data & Connections

IMT-PN 1450 PAN

Dimensions LxWxH (mm)	1115 x 660 x 1665
Operating pressure	11 bar
Net weight (kg)	310
Compressed air connection	G 1"
N ₂ output	G 1/2"
Silencer output	DN 40 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	31,2	25,6	23,7	18,9	14,2	9,5	4,8	3,6	2,4
Comp. air Nm³/h	59,3	54,5	53,8	47,3	41,2	37,1	26,4	25,2	19,2

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	270	270	270						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	270	270	270	150	150				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1550 PAN

Dimensions LxWxH (mm)	1100 x 835 x 1760
Operating pressure	11 bar
Net weight (kg)	470
Compressed air connection	G 3/4"
Output	G 1/2"
Encoder output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N ₂ Nm ³ /h	49,2	40,1	35,6	28,4	22,1	12,6	6,3	4,8	3,2
Comp. air Nm ³ /h	93,5	84,2	81,9	71,0	64,1	49,1	34,7	33,3	25,6

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	500	500	500						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	500	270	270	150	150				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1650 PAN

Dimensions LxWxH (mm)	1130 x 830 x 1855
Operating pressure	11 bar
Net weight (kg)	530
Compressed air connection	G 1"
N ₂ output	G 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	84,0	59,9	53,8	46,6	37,8	23,2	11,7	8,8	5,8
Comp. air Nm³/h	159,6	125,8	123,7	116,5	109,6	90,5	64,4	61,3	46,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	1000	1000	1000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	1000	500	500	270	270				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 1750 PAN

Dimensions LxWxH (mm)	1610 x 840 x 1980
Operating pressure	11 bar
Net weight (kg)	830
Compressed air connection	G 1"
N ₂ output	G 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	105,0	84,0	76,0	64,0	51,8	32,6	16,5	11,9	7,3
Comp. air Nm³/h	223,1	198,5	174,8	157,5	146,2	118,2	90,2	83,0	58,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	1000	1000	1000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	1000	1000	500	500	270				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 2000 PAN

Dimensions LxWxH (mm)	1610 x 840 x 2200
Operating pressure	11 bar
Net weight (kg)	880
Compressed air connection	G 1 1/2"
N ₂ output	G 3/4"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	140,7	116,5	98,3	77,5	63,0	38,8	19,4	14,6	9,7
Comp. air Nm³/h	267,3	244,7	226,1	193,8	182,7	151,3	106,7	101,9	77,6

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	1000	1000	1000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	1000	1000	1000	500	500				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 2150 PAN

Dimensions LxWxH (mm)	1610 x 840 x 2200
Operating pressure	11 bar
Net weight (kg)	970
Compressed air connection	G 1 1/2"
N ₂ output	G 1"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	211,1	174,3	146,5	115,0	94,5	57,8	29,0	21,8	14,5
Comp. air Nm³/h	401,1	366,0	337,0	287,5	274,1	225,4	159,5	152,3	116,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%
Volume l	2000	1500	1500

Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%
Volume l	1500	1000	1000	500	500

Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48

Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 2250 PAN

Dimensions LxWxH (mm)	1610 x 840 x 2380
Operating pressure	11 bar
Net weight (kg)	1300
Compressed air connection	G 1 1/2"
N ₂ output	G 1"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N ₂ Nm ³ /h	260,4	215,3	188,0	143,9	116,6	73,4	35,8	26,9	18,0
Comp. air Nm ³ /h	494,8	452,1	432,4	359,8	338,1	286,3	196,9	188,3	144,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	2000	2000	2000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	2000	1000	1000	500	500				
Temperature in °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 3000 PAN

Dimensions LxWxH (mm)	2110 x 1260 x 2450
Operating pressure	11 bar
Net weight (kg)	2020
Compressed air connection	G 1 1/2"
N ₂ output	G 1"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N ₂ Nm ³ /h	372,8	308,7	269,9	205,8	167,0	102,9	51,4	38,6	25,8
Comp. air Nm ³ /h	708,3	648,3	620,8	514,5	484,3	401,3	282,7	270,2	206,4

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99%	99,5% – 99,9%	99,99% – 99,999%						
Volume l	2000	2000	2000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	4000	1500	1500	1000	1000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 4000 PAN

Dimensions LxWxH (mm)	2110 x 1260 x 2500
Operating pressure	11 bar
Net weight (kg)	2600
Compressed air connection	G 1 1/2"
N ₂ output	G 1 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	442,1	366,5	320,3	244,7	198,5	121,8	60,9	45,8	30,6
Comp. air Nm³/h	840,0	769,7	736,7	611,8	575,7	475,0	335,0	320,5	244,8

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,5%	99,9% – 99,999%
Volume l	4000	3000	2000

Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%
Volume l	5000	3000	3000	2000	2000

Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48

Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 5000 PAN

Dimensions LxWxH (mm)	2110 x 1260 x 3020
Operating pressure	11 bar
Net weight (kg)	3550
Compressed air connection	G 2"/≥99,9 % G 1 1/2"
N ₂ output	G 1 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	630,0	522,9	457,8	348,6	283,5	174,3	87,2	65,4	43,6
Comp. air Nm³/h	1.197,0	1.098,1	1.052,9	871,5	822,2	679,8	479,6	457,8	348,8

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,999%							
Volume l	4000	3000							
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	7000	5000	5000	3000	3000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 6000 PAN

Dimensions LxWxH (mm)	3000 x 1400 x 3050
Operating pressure	11 bar
Net weight (kg)	4200
Compressed air connection	G 2 1/2"/≥99,9 % G 2"
N ₂ output	G 1 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	913,5	756,0	661,5	504,0	409,5	252,0	126,0	94,5	63,0
Comp. air Nm³/h	1.735,7	1.587,6	1.521,5	1.260,0	1.187,6	982,8	693,0	661,5	504,0

* above values apply at 7 bar inlet pressure and 20 °C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	10000	8000	4000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	10000	7000	7000	7000	5000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 8000 PAN

Dimensions LxWxH (mm)	2250 x 1260 x 3978
Operating pressure	11 bar
Net weight (kg)	5950
Compressed air connection	G 3"/≥99,9% G 2 1/2"
N ₂ output	G2"/≥ 99,9% G1 1/2"
Silencer output	DN 125 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N ₂ Nm ³ /h	1.370,3	1.134,0	992,3	756,0	630,0	378,0	189,0	142,0	95,0
Comp. air Nm ³ /h	2.603,6	2.381,4	2.282,3	1.890,0	1.827,0	1.474,2	1.039,5	994,0	760,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

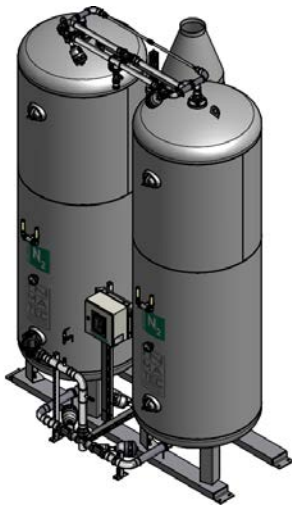
Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	10000	8000	4000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	12000	10000	10000	7000	7000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22



Technical Data & Connections

IMT-PN 10000 PAN

Dimensions LxWxH (mm)	3500 x 1600 x 4500
Operating pressure	11 bar
Net weight (kg)	7200
Compressed air connection	G 3"
N ₂ output	G 3"
Silencer output	DN 200 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	1.598,0	1.323,0	1.157,0	882,0	724,0	441,0	220,0	165,0	110,0
Comp. air Nm³/h	3.037,0	2.778,0	2.662,0	2.205,0	2.101,0	1.719,0	1.212,0	1.158,0	884,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9 %), Argon (0.9 %), CO₂ (0.03 %), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

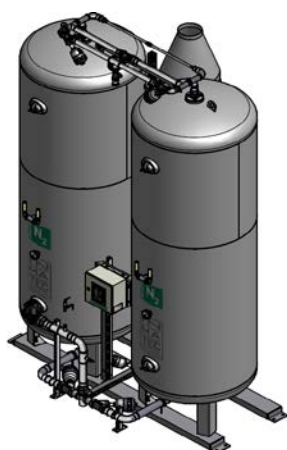
Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	14000	12000	6000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	16000	12000	12000	8000	8000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22



Technical Data & Connections

IMT-PN 12000 PAN

Dimensions LxWxH (mm)	3500 x 1600 x 5000
Operating pressure	11 bar
Net weight (kg)	8400
Compressed air connection	G 4"/≥99,9% G 2"
N ₂ output	G 3"
Silencer output	DN 250 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	1.827,0	1.512,0	1.323,0	1.008,0	819,0	504,0	252,0	189,0	126,0
Comp. air Nm³/h	3.471,4	3.175,2	3.043,0	2.520,0	2.375,2	1.956,6	1.386,0	1.323,0	1.008,0

* above values apply at 7 bar inlet pressure and 20 °C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)

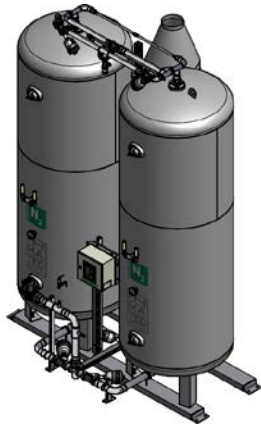


Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	20000	16000	8000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	20000	14000	14000	14000	10000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 14000 PAN

Dimensions LxWxH (mm)	3500 x 1800 x 5500
Operating pressure	11 bar
Net weight (kg)	9580
Compressed air connection	G 4"/≥99,9% G 2"
N ₂ output	G 3"
Silencer output	DN 250 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	2.283,0	1.890,0	1.653,0	1.260,0	1.039,0	630,0	315,0	236,0	158,0
Comp. air Nm³/h	4.339,0	3.968,0	3.803,0	3.150,0	3.014,0	2.456,0	1.732,0	1.655,0	1.264,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)

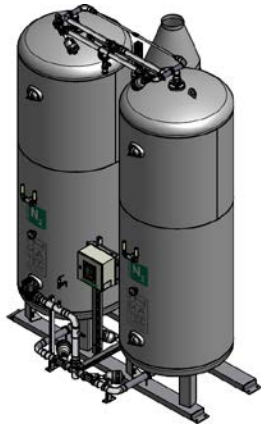


Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	20000	16000	8000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	20000	14000	14000	14000	10000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 16000 PAN

Dimensions LxWxH (mm)	3000 x 1800 x 5500
Operating pressure	11 bar
Net weight (kg)	11340
Compressed air connection	G 3"/ \geq 99,9% G 2 1/2"
N ₂ output	G2"/ \geq 99,9% G1 1/2"
Silencer output	DN 250 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	2.740,6	2.268,0	1.984,6	1.512,0	1.260,0	756,0	378,0	284,0	190,0
Comp. air Nm³/h	5.207,2	4.762,8	4.564,6	3.780,0	3.654,0	2.948,4	2.079,0	1.988,0	1.520,0

* above values apply at 7 bar inlet pressure and 20 ° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)

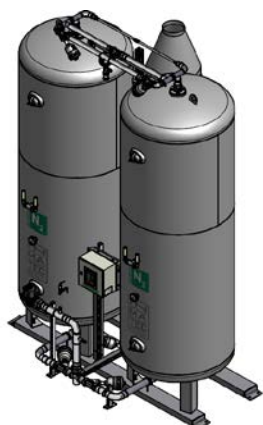


Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 98%	99% – 99,9%	99,99% – 99,999%						
Volume l	20000	16000	8000						
Product Vessel	95% – 98%	99%	99,5%	99,9%	99,99% – 99,999%				
Volume l	24000	20000	20000	14000	14000				
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN 24000 PAN

Dimensions LxWxH (mm)	4000 x 2500 x 6000
Operating pressure	11 bar
Net weight (kg)	18700
Compressed air connection	G 5"
N ₂ output	G 4"
Silencer output	DN 250 mm
Noise level	55 – max. 85 dB(A)
Ambient temperature	+5° C to +40° C
Electrical connection	230V / 50 Hz (110V / 60 Hz)
Power consumption	150 Watt
Safety class	IP 54



Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron

Inert purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N₂ Nm³/h	4.111,0	3.402,0	2.976,9	2.268,0	1.890,0	1.134,0	567,0	426,0	285,0
Comp. air Nm³/h	7.811,0	7.144,2	6.846,9	5.670,0	5.481,0	4.422,0	3.118,5	2.982,0	2.280,0

* above values apply at 7 bar inlet pressure and 20 °C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)

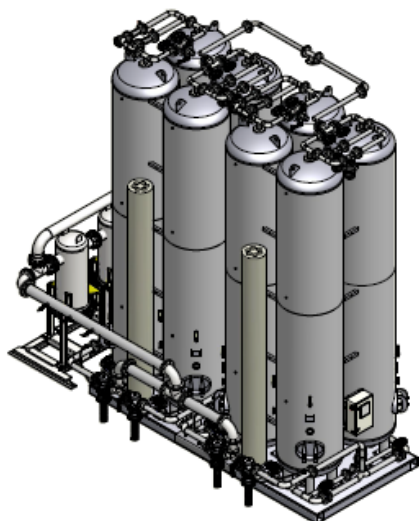


Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Comp. air vessel	95% – 99,999%								
Volume l	20000								
Product Vessel	95% – 99,999%								
Volume l	24000								
Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure In bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22

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Technical Data & Connections

IMT-PN PAN 48.000

Dimensions LxWxH (mm)	5050 x 2250 x 6750
Net weight (tonns)	39
Compressed air connection	DN 150
N ₂ output	DN 100
Silencer output	DN 600
Noise level	85 dB(A)
Ambient temperature	+5° C to +40 °C
Electrical connection	230V / 50Hz (110 V / 60Hz)
Power consumption	150 Watt
Safety class	IP 54

Features

Additional second process analysis

Up to 16 user-configurable sensors

Filtration

Inlet Micro filter	0,01 micron
Inlet Active carbon filter	0,003 micron
Outlet Fine filter (Product Vessel)	3 to 5 micron



Inert Purity	95%	97%	98%	99%	99,5%	99,9%	99,99%	99,995%	99,999%
Capacity N ₂ Nm ³ /h	8.222,0	6.804,0	5.953,8	4.536,0	3.780,0	2.268,0	1.134,0	852,0	570,0
Comp. air Nm ³ /h	15.622,0	14.288,4	13.693,8	11.340,0	10.962,0	8.844,0	6.237,0	5.964,0	4.560,0

* above values apply at 7 bar inlet pressure and 20° C air temperature and ambient temperature

PSA Nitrogen Generators separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100%. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Remember that the value that is normally called the nitrogen content actually is the inert gas content.

Compressed Air Specification

Max. pressure	11 bar
Temperature range	+5° C to +50 °C
Air quality	according to ISO 8573.1, class 1 solid particulates and oil class 4 humidity, free of all contamination (free of ozone)



Touch Control Panel

Standard	Option
Purity	Inlet pressure
Outlet pressure	Inlet temperature
E-mail alarm	Inlet dew point
Multilingual	Outlet dew point
Trend display	Flow
Basic settings	Basic load change
Data storage	Profibus/Modbus
Auto Pure Technology	
Timer function	
Automatic restart	

Product Vessel	40.000 litre
Compressed Air vessel	60.000 litre

Temperature In °C	10	15	20	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	1,00	0,92	0,81	0,72	0,61	0,48
Inlet pressure in bar	6	6,5	7	7,5	8	8,5	9	9,5	10
Correction factor	0,90	0,95	1,00	1,03	1,06	1,10	1,15	1,21	1,22