



PRO FESSIONAL
MAX SERIES
AIR DRYERS



**HIGH TECHNOLOGY
PREMIER QUALITY**

Maksimum Makina Basıncılı Hava Sis.
Soğutma San.Dış.Tic.Ltd.Şti.

COMPANY INTRODUCTION

Maksimum Makina growing rapidly since it was established , operates in the compressed air industry with over 15 years of experience.

With its dynamic team, Maksimum Makine providing max. customer satisfaction oriented service in the global market. Beside of domestic market, its exports to nearly 35 different countries.

With its constantly evolving technology, adopting a principle of provide better quality with better price to customers; also Maksimum Makina has a wide range products.

Maksimum Makina manufacturing especially Refrigerated air dryers, Desiccant air dryers, Air filters and elements in Istanbul Ikitelli Industrial Zone.

Also Maksimum Makina has gas seperation technology (PSA) and producing Nitrogen and Oxygen generators in its own factory.

MAX DRYER PRODUCTS

- Refrigerated Compressed Air Dryers
 - Desiccant Air Dryers
 - Compressed Air Filters and Elements
 - Alternative Filters Elements
 - Water Seperators
 - Activated Carbon Towers
 - Nitrogen Generators
 - Oxygen Generators

MEET OUR PRODUCTS

Innovative Design

Heat Exchanger

High Efficiency

Smart Digital Controller

www.maxdryer.com

PRO MAX SERIES

MAXDRYER AIR DRYERS

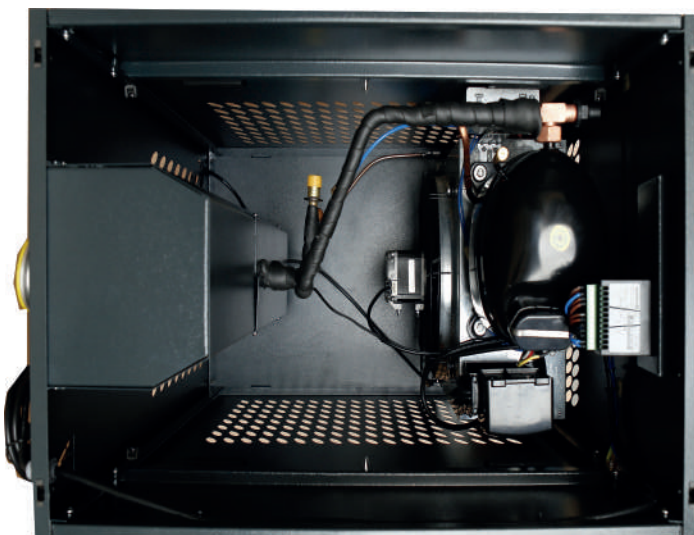
Maxdryer; first of all, it guarantees to supply dry and clean high quality compressed air to the system by conditioning the compressed air coming from the air compressor at +3C dew point. Dry and clean air is vital for all systems working with compressed air.

ADVANTAGES

- Low pressure drop
- Use of environmentally friendly R134A refrigerant in small models
- R513a refrigerant is optional.
- 100% Aluminum Microchannel technology heat exchanger provides the highest heat transfer efficiency with its innovative design
- Consumes less energy with the best quality brand compressors in its class
- Intelligent digital control panel controls the condenser fan motor for energy saving
- Water discharge time and periods can be adjusted from the smart digital control panel. Manual evacuation is also possible.
- With the smart digital panel, it gives a warning when it is time to change the filter element.



Comfortable Interior Design



Elegant Design Cabinet

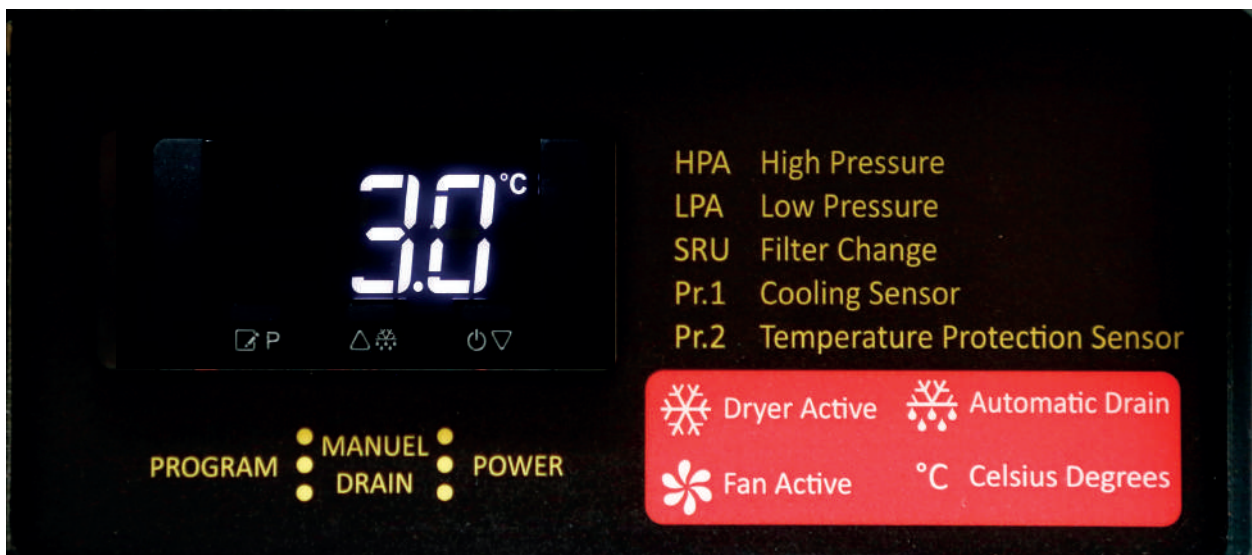
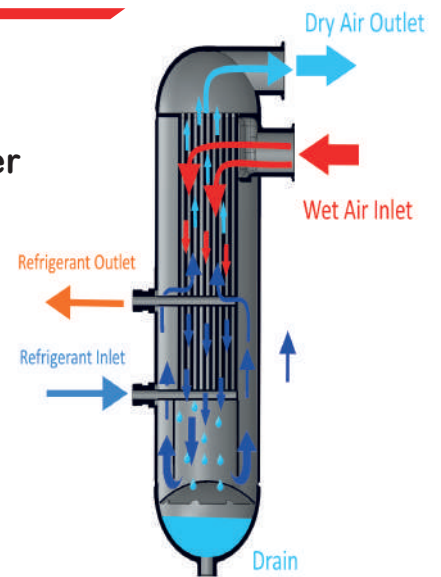


Maxdryer air dryer cabinets are designed in a stylish and elegant way. Top and side covers of Air Dryers are easy to open. Since the dryer cabinet sizes are optimally adjusted, the transportation cost is also economical.

MICROCHANNEL ALUMINIUM HEAT EXCHANGER



- Microchannel Technology
- Large surface area for heat transfer
- %100 Aluminum metal
- Effective heat transfer
- Low pressure drop
- Water separator is used for better performance



MX315 DIGITAL CONTROLLER

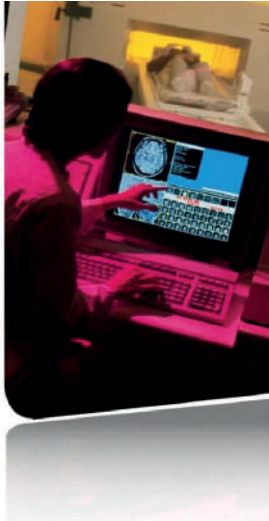
Maxdryer is just standard to produce refrigerated air dryers with new digital controller MX315. MX315 digital controller is standard on all models.

Digital controller with embedded features,

- 1- Digital dew point monitoring
- 2- Drain time / period adjustable
- 3- Periodic maintenance display
- 4- Hours run meter
- 5- Manuel drain from controller available



HEATLESS DESICCANT AIR DRYERS



MDK Series Air Dryer

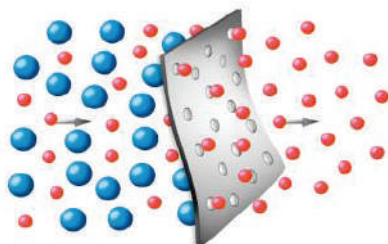
Maxdryer brand MDK Series heatless desiccant air dryer provides -40C dew point (-70C dew point is optional)

The reason why these dryers are more preferred in sensitive applications is that they supply much more cleaner and dry air to the system.

Special valves and high quality desiccant materials are used in MDK Series heatless desiccant air dryers.

Desiccant Air Dryer Advantages

- Desiccant dryers operate according to the principle that moist compressed air is passed through dehumidifying particles and moisture is absorbed by these particles.
- Then air is blown on these particles to remove moisture and they are ready for use again.
- In this way, the compressed air leaves the dryer in a dried state at dew point levels of -40 C / -70 C.
- Compact solutions suitable for factory use, just before your particularly sensitive machines.
- The formation of bacteria in the compressed air at the -40 C dew point is also prevented.
- With the selection of the appropriate filter, an air suitable for use in food and pharmaceutical production can be obtained.
- It shows usage information and has PLC monitor where you can set alarm.



TECHNICAL SPECIFICATIONS FOR MDK SERIES

MODELS	CAPACITY			CONNECTION SIZE	VOLTAGE	PRESSURE DROP	MAX. WORKING PRESSURE	NOMINAL INLET	MAX. AMBIENT	MAX. INLET	DIMENSIONS			TOTAL WEIGHT
	m ³ /min	m ³ /h	cfm								V/Ph/Hz.	mbar	bar	
MDK-900	0,9	54	31,8	1/2"	230/1/50-60	≤150	10	35	50	50	500	400	1300	85
MDK-1200	1,2	72	42,4	1/2"	230/1/50-60	≤150	10	35	50	50	500	400	1550	110
MDK-1800	1,8	108	63,5	3/4"	230/1/50-60	≤150	10	35	50	50	500	400	1700	125
MDK-2200	2,2	132	77,7	3/4"	230/1/50-60	≤150	10	35	50	50	600	800	1250	150
MDK-2600	2,6	156	91,8	1"	230/1/50-60	≤150	10	35	50	50	600	800	1250	160
MDK-3100	3,1	186	109,5	1"	230/1/50-60	≤150	10	35	50	50	600	800	1480	175
MDK-3700	3,7	222	130,7	1"	230/1/50-60	≤150	10	35	50	50	750	780	1520	185
MDK-4500	4,5	270	158,9	1-1/2"	230/1/50-60	≤150	10	35	50	50	700	920	1550	200
MDK-5500	5,5	330	194,2	1-1/2"	230/1/50-60	≤150	10	35	50	50	700	920	1550	230
MDK-6500	6,5	390	229,5	1-1/2"	230/1/50-60	≤150	10	35	50	50	700	950	2120	275
MDK-8500	8,5	510	300,2	1-1/2"	230/1/50-60	≤150	10	35	50	50	750	900	2200	350
MDK-11000	11	660	388,5	2"	230/1/50-60	≤150	10	35	50	50	850	1100	2250	525
MDK-13000	13	780	459,1	2"	230/1/50-60	≤150	10	35	50	50	850	1100	2250	690
MDK-17000	17	1020	600,3	2"	230/1/50-60	≤150	10	35	50	50	1100	1300	2400	760
MDK-20000	20	1200	706,3	2"	230/1/50-60	≤150	10	35	50	50	1200	1300	2450	980
MDK-25000	25	1500	882,9	2"	230/1/50-60	≤150	10	35	50	50	1200	1300	2500	1060
MDK-30000	30	1800	1059,4	3"	230/1/50-60	≤150	10	35	50	50	1400	1300	2500	1200
MDK-35000	35	2100	1236	3"	230/1/50-60	≤150	10	35	50	50	1400	1400	2650	1475
MDK-40000	40	2400	1412,6	3"	230/1/50-60	≤150	10	35	50	50	1450	1400	2725	1680
MDK-45000	45	2700	1589,2	3"	230/1/50-60	≤150	10	35	50	50	1500	1400	2850	1850
MDK-50000	50	3000	1765,7	3"	230/1/50-60	≤150	10	35	50	50	1600	1400	3000	2150
MDK-60000	60	3600	2118,9	DN 100	230/1/50-60	≤150	10	35	50	50	1600	1500	3200	2300
MDK-70000	70	4200	2472	DN 100	230/1/50-60	≤150	10	35	50	50	1850	1700	2900	2875
MDK-80000	80	4800	2825,2	DN 100	230/1/50-60	≤150	10	35	50	50	1900	1700	3200	3140
MDK-90000	90	5400	3178,3	DN 100	230/1/50-60	≤150	10	35	50	50	2100	1700	3300	3300
MDK-105000	105	6300	3708	DN 150	230/1/50-60	≤150	10	35	50	50	2300	1700	3375	3500
MDK-120000	120	7200	4237,8	DN 150	230/1/50-60	≤150	10	35	50	50	2500	1700	3350	3625
MDK-140000	140	8400	4944	DN 150	230/1/50-60	≤150	10	35	50	50	2600	1850	3325	3860
MDK-160000	160	9600	5650,3	DN 200	230/1/50-60	≤150	10	35	50	50	2800	1850	3400	4100

CORRECTION FACTORS FOR MDK SERIES HEATLESS DESICCANT AIR DRYERS

INLET TEMPERATURE °C	20	25	30	35	40	45	50
X1	1	1	1	1	0,80	0,73	0,60
AMBIENT TEMPERATURE °C	4	5	6	7	8	9	10
X2	0,67	0,75	0,88	1	1,12	1,25	1,37

Pressure dewpoint	-40 °C / -70 °C (optional)
Nominal inlet temperature	35 °C
Nominal working pressure	7 bar
Maximum inlet temperature	50 °C
Maximum working pressure	10 bar
Maximum ambient temperature	50 °C

CHOOSE YOUR DRYER

Air Flow 700 m³ /h at 9 bars;
 Inlet temperature is 45 °C,
 Please choose Dryer as below;
 700 / 1,25 / 0,73 = 767 m³/h
 The correct model is MDK-13 000

MDK Series desiccant dryers are designed to supply clean and dry compressed air for critical applications. As Pre and after filters are supplied along with Max Air Heatless Desiccant Air Dryers to keep the air stream clean and maintain the integrity of the desiccant medium.

TECHNICAL SPECIFICATIONS FOR PROMAX SERIES

MODELS	CAPACITY			CONNECTION SIZE	VOLTAGE V/Ph/Hz.	REFRIGERANT Gas	PRESSURE DROP mbar	MAX. WORKING PRESSURE bar	MAX AMBIENT °C	MAX. INLET °C
	m ³ /min	m ³ /h	cfm							
MAX-900	0,9	54	31,8	1/2 "	230/1/50	R-134 a	260	16	45	50
MAX-1200	1,2	72	42,4	1/2 "	230/1/50	R-134 a	270	16	45	50
MAX-1800	1,8	108	63,5	3/4"	230/1/50	R-134 a	120	16	45	50
MAX-2200	2,2	132	77,7	3/4"	230/1/50	R-134 a	140	16	45	50
MAX-2600	2,6	156	91,8	1"	230/1/50	R-134 a	200	16	45	50
MAX-3100	3,1	186	109,5	1"	230/1/50	R-134 a	300	16	45	50
MAX-3700	3,7	222	130,7	1"	230/1/50	R-134 a	210	16	45	50
MAX-4500	4,5	270	158,9	1"	230/1/50	R-134 a	270	16	45	50
MAX-5500	5,5	330	194,2	1-1/2"	230/1/50	R-134 a	220	16	45	50
MAX-6500	6,5	390	229,5	1-1/2"	230/1/50	R-134 a	280	16	45	50
MAX-8500	8,5	510	300,2	2"	230/1/50	R-134 a	220	16	45	50
MAX-11000	11	660	388,5	2"	400/3/50	R-134 a	170	16	45	50
MAX-13000	13	780	459,1	2"	400/3/50	R-134 a	150	16	45	50
MAX-17000	17	1020	600,3	2"	400/3/50	R-134 a	180	16	45	50
MAX-20000	20	1200	706,3	2"	400/3/50	R-134 a	150	16	45	50
MAX-25000	25	1500	882,9	2"	400/3/50	R407C	180	16	45	50
MAX-30000	30	1800	1059,4	3"	400/3/50	R407C	120	16	45	50
MAX-35000	35	2100	1236	3"	400/3/50	R407C	220	16	45	50
MAX-40000	40	2400	1412,6	3"	400/3/50	R407C	200	16	45	50
MAX-45000	45	2700	1589,2	3"	400/3/50	R407C	180	16	45	50
MAX-50000	50	3000	1765,7	3"	400/3/50	R407C	250	16	45	50
MAX-60000	60	3600	2118,9	DN 100	400/3/50	R407C	220	16	45	50
MAX-70000	70	4200	2472	DN 100	400/3/50	R407C	200	16	45	50
MAX-80000	80	4800	2825,2	DN 100	400/3/50	R407C	220	16	45	50
MAX-90000	90	5400	3178,3	DN 100	400/3/50	R407C	200	16	45	50
MAX-105000	105	6300	3708	DN 150	400/3/50	R407C	220	16	45	50
MAX-120000	120	7200	4237,8	DN 150	400/3/50	R407C	220	16	45	50
MAX-140000	140	8400	4944	DN 150	400/3/50	R407C	220	16	45	50
MAX-160000	160	9600	5650,3	DN 200	400/3/50	R407C	220	16	45	50

CORRECTION FACTORS FOR MAX SERIES AIR DRYERS									
INLET TEMPERATURE °C	30	35	40	45	50	60			
X1	1,28	1	0,92	0,78	0,65	0,45			
AMBIENT TEMPERATURE °C	20	25	30	35	40	50			
X2	1,05	1	0,98	0,93	0,84	0,7			
PRESSURE BAR	70	6	7	8	10	12	14	16	
X3	0,8	0,94	1	1,04	1,11	1,16	1,22	1,25	

DIMENSIONS			WEIGHT	Condenser Air	Fan Number X	Fan Power	Compressor Power	Elektric Power
L	W	H	Kg	Flow m ³ /h	Fan Size	W	Hp	A
460	385	735	35	390	1*20	38	1/5	1,7
460	385	735	36	390	1*20	38	1/5	1,7
460	385	735	37	390	1*20	38	1/4	1,8
460	385	735	38	390	1*20	38	1/4	1,9
540	410	837	45	856	1*25	120	3/8	3,1
540	410	837	48	856	1*25	120	3/8	3,1
540	410	837	55	952	1*25	120	1/2	3,6
540	410	837	60	1115	1*25	120	3/4	5,3
710	895	896	79	1293	1*25	120	3/4	5,5
710	895	896	83	1430	1*25	120	1	6,1
750	655	1196	140	3900	1*300	130	1,5	8,5
1050	850	1496	160	3900	1*400	240	2	7,2
1050	850	1496	170	3290	1*400	240	2	8,3
1050	850	1496	180	4636	1*450	390	2,5	7,2
1050	850	1496	195	4636	1*450	390	3	8,6
1102	782	1372	273	5834	1*500	490	4	9,6
1102	782	1372	284	5814	1*500	490	5	10,2
1352	833	1382	302	9273	2*450	2*390	6	10,4
2104	804	1625	336	11260	2*450	2*390	6	10,8
2104	804	1625	365	11260	2*450	2*390	7	11,2
2104	804	1625	552	16443	3*500	3*490	7	11,4
2104	804	1625	575	16443	3*500	3*490	9	11,9
2104	1150	1625	590	17306	3*500	3*490	10	13
2104	1150	1625	710	18409	3*500	3*490	12	15
2104	1360	1625	775	21280	3*500	3*490	14	16
2600	1360	1760	805	21418	3*500	3*490	16	18
2750	1360	1760	865	28600	3*500	3*490	18	22
2750	1360	1760	930	32885	3*600	3*670	20	27
2750	1360	1760	980	34560	3*600	3*670	25	32

CHOOSE YOUR DRYER

Air Flow 300 m³ /h at 6 bars;
 Inlet temperature is 40 °C ,
 Ambient temperature is 30 °C ,
 Please choose Dryer as below;
 300 / 0,94 / 0,92 / 0,98 = 354 m³/h
 The correct model is MAX-6500

HIGH QUALITY AIR FILTERS



Maxdryer Compressed Air Filters - MF Series

The compressed air filters documented in this instruction manual, can fulfill all requirements expected from a modern filter series. In order to maximize the benefit from the filters/system, the user should have sufficient information. Information in this manual is divided into separate sections for easy reference and understanding. Please read carefully before installing and operating the filter/ -system.

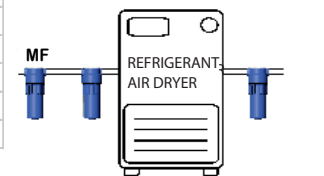
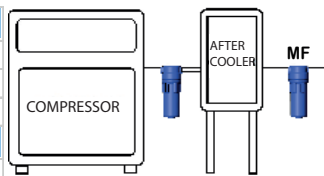
Applications - Compressed Air Quality ISO - 8573.1 Standards



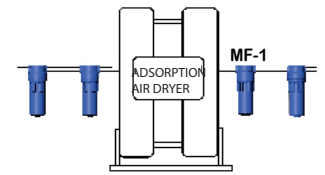
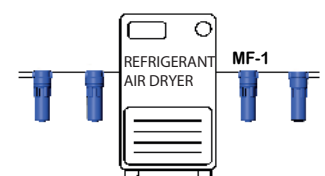
According to ISO-8573.1 : 2010 Standards, compressed air quality is identified and classified as shown in the table below. The air purity qualification is classified and evaluated with respect to the contamination level of air under three major topics; by particulate size and quantity, water quantity and oil quantity.



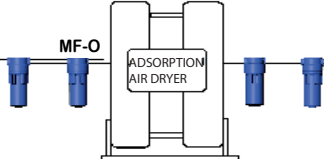
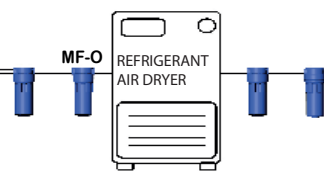
MAXDRYER Filter Grade MF
 ISO 8573.1-2010 Quality Class;
 Solids: Class 3 Oil content: Class 4
 Maximum inlet liquid load: 2.000 ppm w/w
Application Areas;
 Upstream of ultra high efficiency oil removal filters.
 Downstream of aftercoolers
 Downstream of heatless adsorption dryers.
 In case an aftercooler/separator installed upstream... if needed



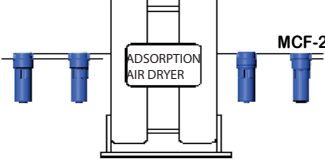
MAXDRYER Filter Grade MF -1
 ISO 8573.1-2010 Quality Class;
 Solids: Class 1 Oil content: Class 1
 Maximum inlet liquid load: 100 ppm w/w
Application Areas;
 Upstream of adsorption or membrane dryers (use a Grade MF -0 filter as a prefilter if needed)
 Downstream of refrigerated dryers
 Downstream of adsorption dryers



MAXDRYER Filter Grade MF -0
 ISO 8573.1-2010 Quality Class;
 Solids: Class 1 Oil content: Class 2
 Maximum inlet liquid load: 1.000 ppm w/w
Application Areas;
 Upstream of desiccant or membrane dryers
 Downstream of refrigerated dryers
 Downstream of pressure-swing desiccant
 dryers for fine particulate removal



MAXDRYER Filter Grade MCF-2
 ISO 8573.1-2010 Quality Class;
 Solids: Class 1 Oil content: Class 1
Application Areas;
 Downstream of high efficiency oil removal filters
 No liquid should be present at filter inlet!
 Use a high efficiency oil removal filter upstream of Grade 1 filters to prevent liquid oil contamination.



MAXDRYER COMPRESSED AIR FILTER SPECIFICATIONS

FILTER MODEL	CAPACITY		CONN.	WORK TEMP.		WORK PRES.		FILTER ELEMENT Filter Element		
	M3/Hr	Lt/Min		MAX.	MIN.	MAX.	MIN.	MODEL	CHANGE (HOUR)	CHANGE IP (BAR)
MF1300-1301	78	1.300	1/2"	80 C°	2 C°	16 Bar	2 Bar	MF1300-1301	3.500	0,7
MF2400-2401	144	2.400	3/4"	80 C°	2 C°	16 Bar	2 Bar	MF12400-2401	3.500	0,7
MF3800-3801	228	3.800	1"	80 C°	2 C°	16 Bar	2 Bar	MF13800-3801	3.500	0,7
MF5000-5001	240	5.000	1"	80 C°	2 C°	16 Bar	2 Bar	MF15000-5001	3.500	0,7
MF6600-6601	396	6.600	1 1/2 "	80 C°	2 C°	16 Bar	2 Bar	MF16600-6601	3.500	0,7
MF9000-9001	540	9.000	1 1/2 "	80 C°	2 C°	16 Bar	2 Bar	MF19000-9001	3.500	0,7
MF11000-11001	660	11.000	1 1/2 "	80 C°	2 C°	16 Bar	2 Bar	MF111000-11001	3.500	0,7
MF17000-17001	1.020	117.000	2"	80 C°	2 C°	16 Bar	2 Bar	MF117000-17001	3.500	0,7
MF25000-25001	1.500	25.000	2"	80 C°	2 C°	16 Bar	2 Bar	MF125000-25001	3.500	0,7
MF30000-30001	1.800	30.000	3"	80 C°	2 C°	16 Bar	2 Bar	MF130000-30001	3.500	0,7
MF40000-40001	2.400	40.000	3"	80 C°	2 C°	16 Bar	2 Bar	MF140000-40001	3.500	0,7
MF50000-50001	3.000	50.000	3"	80 C°	2 C°	16 Bar	2 Bar	MF150000-50001	3.500	0,7

CORR.FACT	0,53	0,75	0,83	0,92	1	1,06	1,2	1,31	1,41	1,5
BAR	2	4	5	6	7	8	10	12	14	16
PSI	29	58	73	87	102	116	145	174	203	232

MAXDRYER	ELEMENT TYPE		UNIT	MF-0	MF-1	MCF-2
	ELEMENT DEFINITION			Fine Filter	Fitne Filter	A. Carbon Filter
	Partical Removal		micron	0,1	0,01	-
	Max O Carryover at 21 C°		mg/m ³	0,1	0,01	0,003
	Initial Pressure Loss (New&Dry)		m/bar	60	80	60
Pressure Loss for Element Change		m/bar	700	700	700	

DIMENSIONS & WEIGHTS

MODEL	FILTER CAPACITY		CONNECTION	Q(mm)	H(mm)	Weight (kg)
	M ³ /Hr	Lt/M				
MF1300-1301	78	1.300	1/2"	95	275	1.240
MF2400-2401	144	2.400	3/4"	95	275	1.322
MF3800-3801	228	3.800	1"	120	300	2.155
MF5000-5001	240	5.000	1"	120	300	2.214
MF6600-6601	396	6.600	1 1/2 "	120	400	2.396
MF9000-9001	540	9.000	1 1/2 "	120	400	2.416
MF11000-11001	660	11.000	1 1/2 "	120	565	4.100
MF17000-17001	1020	17.000	2"	175	570	6.998
MF25000-25001	1500	25.000	2"	175	695	8.274
MF30000-30001	1800	30.000	3"	210	655	9.188
MF40000-40001	2400	40.000	3"	210	815	10.980
MF50000-50001	3000	50.000	3"	210	980	12.366

• Dimensions and weight of the belong to the standard models with manual drain and without Diff. Pressure Gauge.

N2 NITROMAX SERIES PSA NITROGEN GENERATORS

By Nitromax Series Maxdryer Nitrogen Generators, you are able to produce your sustainable nitrogen yourself! Nitromax Series nitrogen generators have a large range as capacity range of 0.3 – 2.500 Nm³/h up to 95% – 99.999% (10 ppm) purity.

By PSA technology our nitrogen generators allow you to produce nitrogen with high efficiency with a purity level according to your demand. Carbon molecular provides a high gas purity rate with technology. The Nitrogen Generator is manufactured according to the 24/7 working system.

Evade of external dependence with minimal maintenance costs. Provide savings by getting rid of extra expenses. Produce your own nitrogen on site to eliminate filling and transferring costs.

Nitrogen generator is produced according to automatic start and automatic stop system. It provides automatic start and stop according to nitrogen consumption. The Nitrogen Generator is delivered ready for use.



Reference Conditions :

Compressed air inlet pressure : 8 bar (g)
 Nitrogen outlet pressure : 7 bar (g)
 Ambient air temperature : 20 °C / 68 °F
 Pressure dewpoint inlet air : 3 °C / 37 °F
 Pressure dewpoint nitrogen : -40 °C / -40 °F
 Unit inlet air quality 1.4.1 according to ISO 8573-1:2010.
 Minimum refrigerated dryer required to precondition inlet air.
 Typical nitrogen quality 1.2.1 according to ISO 8573-1:2010.

Operating limits:

Minimum ambient temperature : 5 °C / -41 °F
 Maximum ambient temperature : 45 °C / 113 °F
 Maximum compressed inlet air pressure : 10 bar (g)



Max Dryer's Nitromax PSA Nitrogen Generators are easy to install and use. They offer the required purity with a high flow capacity, making them suitable for a range of applications.

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	LOW PURITY-LP					HIGH PURITY-HP			
Nitrogen purity rate	95%	97%	98%	99%	99,50%	99,90%	99,95%	99,99%	99,999%
Residual oxygen	5%	3%	2%	1%	0.5%	0.1%	500 PPM	100 PPM	10 PPM

Nitromax 3	Nm3/h	4,76	3,78	3,19	2,62	2,14	1,40	1,20	0,81	0,34
Nitromax 5	Nm3/h	8,50	6,75	5,70	4,68	3,83	2,50	2,15	1,45	0,61
Nitromax 10	Nm3/h	14,65	11,64	9,83	8,06	6,59	4,31	3,71	2,50	1,06
Nitromax 15	Nm3/h	23,46	18,63	15,73	12,90	10,56	6,90	5,93	4,00	1,63
Nitromax 20	Nm3/h	41,04	32,59	27,52	22,57	18,47	12,07	10,38	7,00	2,96
Nitromax 25	Nm3/h	58,62	46,55	39,31	32,24	26,38	17,24	14,83	10,00	4,22
Nitromax 30	Nm3/h	81,60	65,17	56,81	44,16	36,51	23,25	20,50	14,38	7,14
Nitromax 40	Nm3/h	107,11	85,53	74,44	57,91	47,91	30,49	26,92	18,81	8,55
Nitromax 50	Nm3/h	140,69	111,73	94,35	77,38	63,31	41,38	35,59	24,00	10,14
Nitromax 60	Nm3/h	179,91	143,75	125,17	96,52	79,79	50,78	44,84	31,28	15,64
Nitromax 80	Nm3/h	216,89	172,23	145,44	119,29	97,69	63,79	54,86	37,00	15,63
Nitromax 100	Nm3/h	275,54	218,81	184,77	151,54	123,99	81,04	69,69	47,00	19,85
Nitromax 150	Nm3/h	333,94	266,73	232,25	180,74	149,53	95,06	84,04	58,65	29,27
Nitromax 200	Nm3/h	404,46	321,19	271,23	222,46	182,01	118,96	102,31	69,00	29,15
Nitromax 250	Nm3/h	472,34	375,09	316,75	259,78	212,55	138,92	119,47	80,58	34,03
Nitromax 300	Nm3/h	538,13	427,33	360,79	279,97	256,40	256,40	158,27	91,80	38,78
Nitromax 400	Nm3/h	609,87	484,30	408,97	335,43	274,45	179,37	154,26	104,04	43,95
Nitromax 500	Nm3/h	691,73	549,32	463,87	380,45	311,28	203,45	174,97	118,00	49,85
Nitromax 600	Nm3/h	803,08	637,74	538,54	441,64	361,39	239,20	203,13	137,00	57,87
Nitromax 700	Nm3/h	937,96	744,85	628,98	515,88	422,08	275,87	237,25	160,00	67,59
Nitromax 800	Nm3/h	1.052,02	840,58	731,74	565,41	471,23	299,47	264,79	184,82	92,31
Nitromax 900	Nm3/h	1.266,53	1.011,84	880,87	685,54	567,12	360,46	318,75	224,46	111,18
Nitromax 1000	Nm3/h	1.563,25	1.248,99	1.087,32	846,19	700,02	444,92	393,51	290,73	137,19
Nitromax 1250	Nm3/h	1.859,76	1.485,83	1.293,56	1.006,63	832,72	529,38	468,07	326,70	163,20
Nitromax 1500	Nm3/h	2.088,96	1.668,82	1.452,78	1.197,07	935,34	594,55	525,81	366,89	183,29
Nitromax 2000	Nm3/h	2.576,23	2.058,24	1.792,20	1.394,41	1.153,60	753,36	648,48	452,58	225,98

Correction Factors

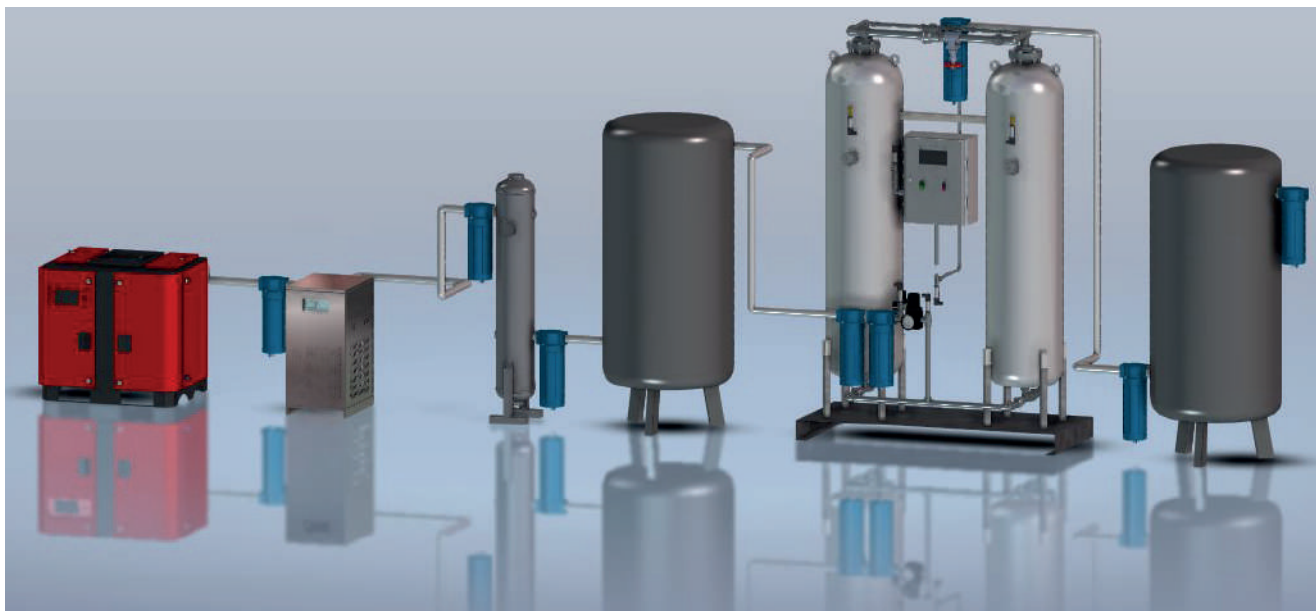
Compressed air inlet pressure	bar(g)	6	7	8	9	10	11
	psi(g)	87	101	116	130	145	159
Performance %		0,78	0,85	1	1,1	1,16	1,26

Inlet air temperature	°C	5	10	15	20	25	30	35	40	45	50
	°F	41	50	59	68	77	86	95	104	113	112
Performance %		0,85	1,03	1,02	1	0,93	0,85	0,8	0,72	0,6	0,52

O2 OXYMAX SERIES PSA OXYGEN GENERATORS

Technical Features

Oxymax Series Maxdryer Oxygen generators have the modern technology needed to produce high quality oxygen. Our Oxygen Generators; with modern PSA technology, it provides you with oxygen gas on-site smoothly, sustainably and economically. Our oxygen generators are used in many sectors where oxygen gas is used. It is a very important option for companies that attach importance to sustainability and profitability in the medium term. With our Maxdryer brand Oxymax Series oxygen generators, we provide you, our valued customers, the convenience of becoming a professional oxygen producer. In addition, with the oxygen generator system investment, you can both produce your own gas and make your business more profitable and competitive in your sector with low costs.

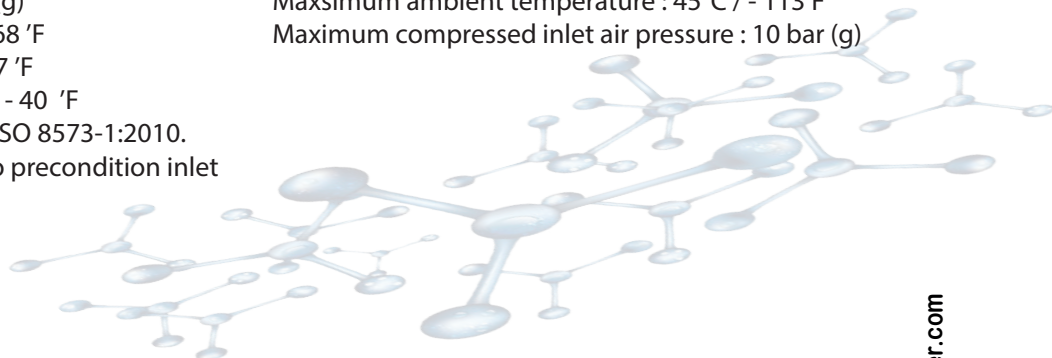


Reference Conditions

Compressed air inlet pressure : 7,5 bar (g)
 Oxygen outlet pressure : 5 bar (g)
 Ambient air temperature : 20°C / 68°F
 Pressure dewpoint inlet air : 3°C / 37°F
 Pressure dewpoint nitrogen : -40°C / -40°F
 Unit inlet air quality 1.4.1 according to ISO 8573-1:2010.
 Minimum refrigerated dryer required to precondition inlet air.

Operating limits

Minimum ambient temperature : 5°C / -41°F
 Maximum ambient temperature : 45°C / -113°F
 Maximum compressed inlet air pressure : 10 bar (g)



O2 OXYMAX SERIES PSA OXYGEN GENERATORS

OXYMAX	Oxygen Capacity (Nm3/h)				Air Consumption	
	93%		95%		93%	95%
	lt/min	Nm3/h	lt/min	Nm3/h		
OXYMAX 3	25,00	1,50	23,33	1,40	16,50	18,20
OXYMAX 5	37,50	2,25	34,33	2,06	24,75	26,78
OXYMAX 10	50,00	3,00	45,83	2,75	33,00	35,75
OXYMAX 15	62,50	3,75	57,50	3,45	41,25	44,85
OXYMAX 20	75,00	4,50	68,66	4,12	49,50	53,56
OXYMAX 25	100,00	6,00	91,66	5,50	66,00	71,50
OXYMAX 30	125,00	7,50	114,16	6,85	82,50	89,05
OXYMAX 40	150,00	9,00	136,66	8,20	99,00	106,60
OXYMAX 50	200,00	12,00	181,00	10,86	132,00	141,18
OXYMAX 60	250,00	15,00	229,16	13,75	165,00	178,75
OXYMAX 80	300,00	18,00	275,00	16,50	198,00	214,50
OXYMAX 100	350,00	21,00	319,16	19,15	231,00	248,95
OXYMAX 150	400,00	24,00	365,00	21,90	264,00	284,70
OXYMAX 200	500,00	30,00	460,50	27,63	330,00	359,19
OXYMAX 250	600,00	36,00	546,66	32,80	396,00	426,40
OXYMAX 300	700,00	42,00	637,50	38,25	462,00	497,25
OXYMAX 400	800,00	48,00	732,00	43,92	528,00	570,96
OXYMAX 500	900,00	54,00	826,66	49,60	594,00	644,80
OXYMAX 600	1000,00	60,00	916,66	55,00	660,00	715,00
OXYMAX 700	1200,00	72,00	1098,00	65,88	792,00	856,44
OXYMAX 800	1400,00	84,00	1282,33	76,94	924,00	1000,22
OXYMAX 900	1600,00	96,00	1458,33	87,50	1056,00	1137,50
OXYMAX 1000	1800,00	108,00	1660,83	99,65	1188,00	1295,45
OXYMAX 1250	2000,00	120,00	1833,33	110,00	1320,00	1430,00
OXYMAX 1500	2500,00	150,00	2300,00	138,00	1650,00	1794,00

Oxygen generators work with the compressor and at the entrance min 8 bar and +3C dew point, from water and oil there is a need for purified compressed air .

Apart from this table, production can be made in the desired purity and flows.



Maxdryer



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