



PRO FESSIONAL MAX SERIES AIR DRYERS



**HIGH TECHNOLOGY
PREMIER QUALITY**

Maksimum Makina Basınçlı 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 separation 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

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.

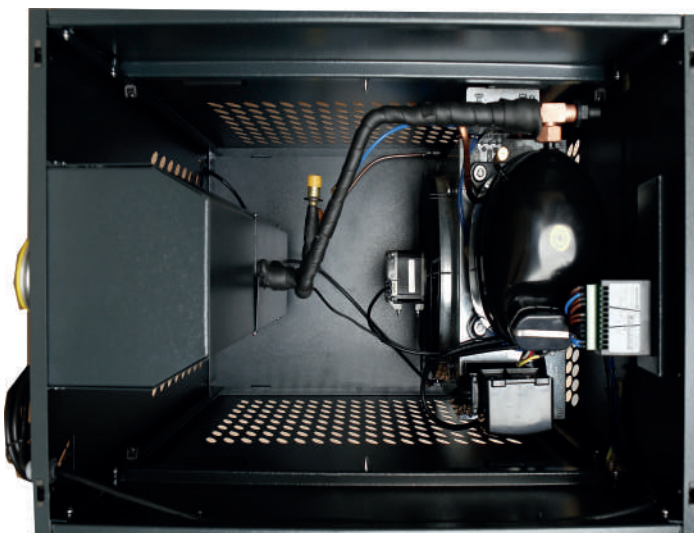
ADVANTAGES

- 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.

PRO MAX SERIES



Comfortable Interior Design



Elegant Design Cabinet

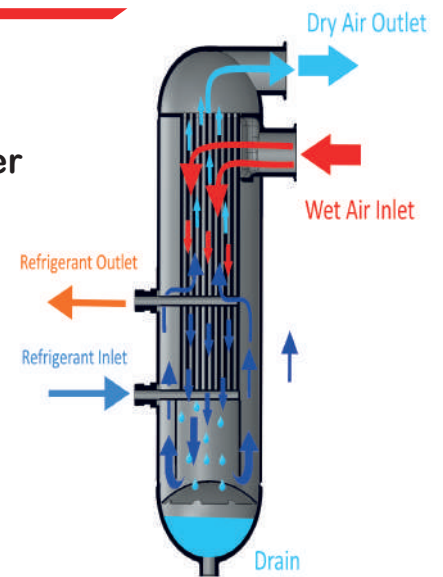


Maxdryer air dryer cabinets are designed in a stylish and elegant way. Top and side covers of Air Dryers are easy to open. Since the dryer cabinet sizes are optimally adjusted, the transportation cost is also economical.

MICROCHANNEL ALUMINYUM 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



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
	m³/min	m³/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;
 $300 / 0,94 / 0,92 / 0,98 = 354 \text{ m}^3/\text{h}$
 The correct model is MAX-6500