AAG®

AIR & GAS FILTRATION, SEPARATION SOLUTIONS

MADE IN TURKEY

WARRANTY

DÜNYANIN GELECEĞİ İÇİN ÇEVREYE VE ÇOCUKLARA SAHİP ÇIKALIM

Patented Products

GENERAL CATALOGUE

WHY CHOOSE AAG TECHNOLOGY!

- AAG MAKINA PRODUCING THE LATEST TECHNOLOGY SINCE 1986
- INNOVATIVE & PATENTED PRODUCTS IN THE WORLD
- LOCAL MANUFACTURER WITH THE MOST REFERENCES IN THE SECTOR
- EXPERT TECHNICAL STAFF ON THIS TOPIC IN BEFORE AND AFTER SALES
- EXPORT OVER 30 COUNTRIES / WIDE SERVICE NETWORK

COMPAC

Compressed Air Refrigeration Dryer COMPAC 900 - 120.000 Series

04/09

ADSORPTION AIR DRYERS

Heatless Desiccant Dryers
Blower Purge Desiccant / Zero Purge Cooling

10/17

BLOWER PURGE DESICCANT DRYERS

Zero Purge Cooling

18/21

AIR FILTER

AF Series Compressed Air Filters

22/27

ACT ACTIVATED CARBON TOWER

Oil Burner and Odor Holder Filters

28/29

WATER SEPARATORS

Manual / Mini Ballcock
Waiting / Discharge Time Setting
Adjusted / Zero Air Loss

30/31

ZEROMAT

Timed Drain Systems

32/33

LASER AIR DRYER

Quality Compressed Air for Plasma Systems

34/35

LASER COMBINED AIR DRYER

Combined Pressure Air Dryer for Laser Cutting Machines

NITROGEN GENERATOR TWINTOWER MODEL

Advanced System in Gas Separation

Nitrogen Production Unit

NITROGEN GENERATOR MINI MODEL

Advanced System in Gas Separation

Nitrogen Production Unit

MODULAR NITROGEN GENERATOR

Advanced System in Gas Separation

Nitrogen Production Unit

OXYGEN GENERATOR TWINTOWER MODEL

Advanced System in Gas Separation

Oxygen Production Unit

OXYGEN GENERATOR MINI MODEL

Advanced System in Gas Separation

Oxygen Production Unit

MODULAR OXYGEN GENERATOR

Advanced System in Gas Separation

Oxygen Production Unit

COMPAC AIR DRYER

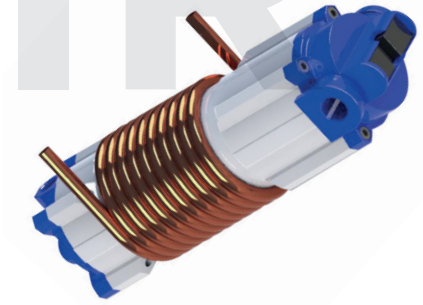
Patented Products

Compressed Air Refrigeration Dryer
COMPAC 900 - 120.000 Series

WARRANTY

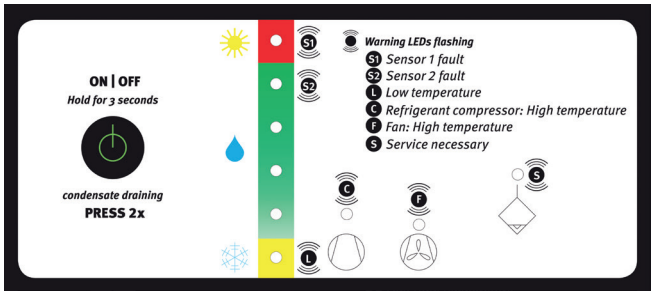
7/24
HOT LINE
+90 530 280 90 36

HIGH EFFICIENCY HEAT EXCHANGER DESIGN

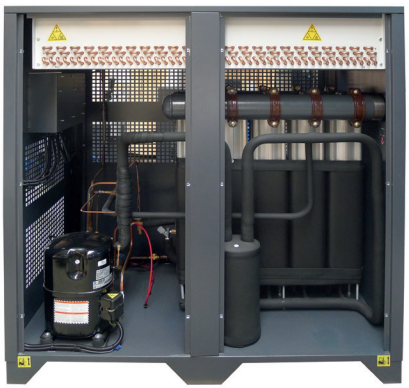


A design which has no welded parts with the feature of easy assembly and disassembly. It uses ambient temperature for pre-refrigeration of incoming hot air. Efficient heat transfer with aluminium panel fins, a design which is not affected by the problems which arise from freezing at low temperatures.

INTELLIGENT CONTROL SYSTEM



- Display of pressure dew point through a clear scale
- Sound and light alarm output for problems in the compressed air refrigeration dryer
- Quick identification of the affected component
- Trouble-shooting overview in the manual enables a direct debugging in most cases
- Manual condensate discharge by pressing the on / off button twice
- Integrated signal output for external alarm (12 V DC signal)



DURABLE RIGHT DESIGN and COPPER PIPING

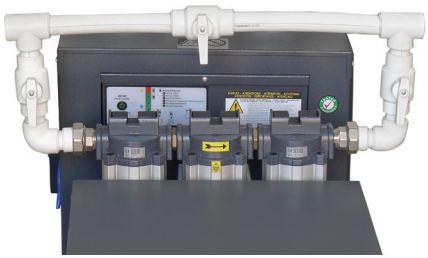
A stable and excellent vibration free refrigeration system.

GOST-R Certification Mark.

SIMPLE BY-PASS LINE WITH INLET and OUTLET FILTERS

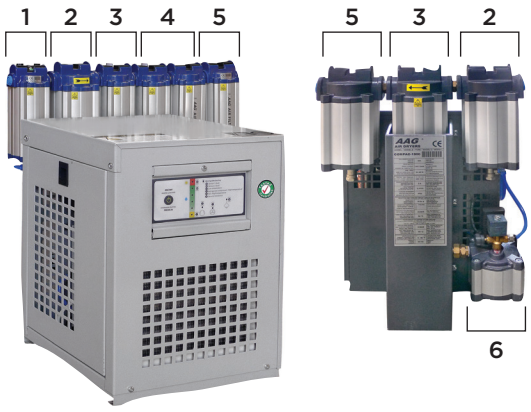
Inlet and outlet filters and heat exchanger on the same line up till C-8500 model.

*Outlet pressurized air quality
ISO 8573-1; 2010
Oil Class :1..... 0,01 mg / m^3
Dust Class :1..... 0,1 micron
Water Class :4..... 6 gram / m^3



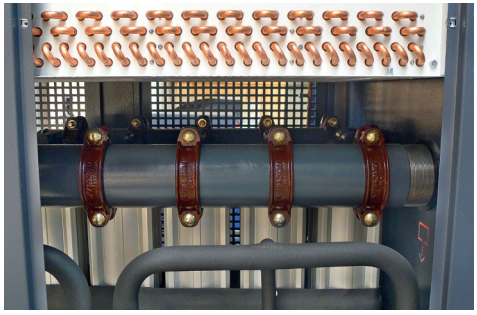
VARIOUS HARDWARE SMALL SIZE

1- Water Seperator
2- Inlet Filter _____ 1 micron dust, 0,5mg / m^3 oil
3- Heat Exchanger _____ Water concent: 6mg / m^3
4- Active Carbon Tower _____ Oil 0,003mg / m^3
5- Outlet Filter _____ 0,1 micron dust
6- Zeromat _____ Zero air loss water drain

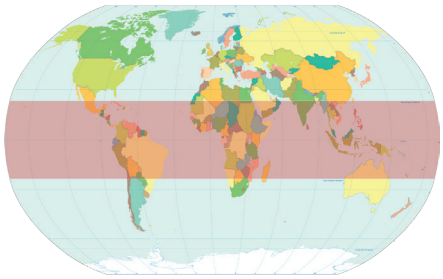


IMPRESSIVE DESIGN and INNOVATION

COMPAC: Premium features and economical price



DESIGNED FOR TROPICAL CONDITIONS



INLET TEMPERATURE °C	PRESSURE DEW-POINT (7 BAR G)	WATER CONCENT
+35 °C	+3 °C	5,9 gram / m^3
+60 °C	+12 °C	10,6 gram / m^3

LOW PRESSURE DROP WITH DESIGN OPTIONS

» Pressure Drop	T. max. = 0,1 ~ 0,2 bar (g) (at 3 °C Pressure Dewpoint)
» COMPAC.....0	Series Standard Design
» COMPAC.....1	Series Cold Air Outlet (+3 °C) Design. (for treatment before a N_2 / O_2 generator)
» COMPAC.....2	Series High Inlet Temperature (+70 °C) Design
» COMPAC.....3	Series High Operating Pressures 50 bar (g)

PRODUCTION NORMS & METHODS

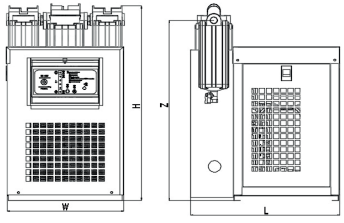
2006/42/EC	Machine Safety Directive
2014/30/EU	Electromagnetic Compatibility Directive
2014/35/EU	Low Voltage Directive
EN ISO 12100	2010
EN 60204-1	2006+A1:2009/AC:2010
EN 61000-6-2	2005/AC:2005
EN 61000-6-4	2007/A1:2011

COMPAC COMPRESSED AIR DRYER TECHNICAL DATA

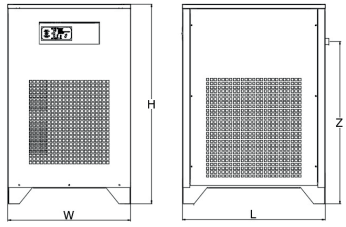
Compac Model	bar	psi	m³/min	m³/h	cfm	V/Ph/Hz	Connection Size	L	W	H	Z	Kg	Gas
COMPAC 900	16	232	0,9	54,0	31,8	230/1/50-60	1/2”	470	345	590	545	30	R-134 a
COMPAC 1200	16	232	1,2	72,0	42,4	230/1/50-60	1/2”	470	345	590	545	31	R-134 a
COMPAC 1800	16	232	1,8	108,0	63,6	230/1/50-60	3/4”	470	345	665	610	32	R-134 a
COMPAC 2200	16	232	2,2	132,0	77,7	230/1/50-60	3/4”	470	345	665	610	32	R-134 a
COMPAC 2600	16	232	2,6	156,0	91,9	230/1/50-60	1”	580	480	790	735	44	R-134 a
COMPAC 3100	16	232	3,1	186,0	109,6	230/1/50-60	1”	580	480	790	735	45	R-134 a
COMPAC 3700	16	232	3,7	222,0	130,8	230/1/50-60	1”	580	480	790	735	47	R-134 a
COMPAC 5500	16	232	5,5	330,0	194,4	230/1/50-60	1”	690	520	1090	1040	79	R-134 a
COMPAC 6500	16	232	6,5	390,0	229,7	230/1/50-60	1½”	690	520	1090	1040	83	R-134 a
COMPAC 8500	16	232	8,5	510,0	300,4	400/3/50-60	2”	855	735	1195	1085	140	R-407 c
COMPAC 11000	16	232	11,0	660,0	388,7	400/3/50-60	2”	855	735	1195	1085	140	R-407 c
COMPAC 13000	16	232	13,0	780,0	459,4	400/3/50-60	2”	855	735	1195	1085	150	R-407 c
COMPAC 17800	16	232	17,8	1.068,0	629,1	400/3/50-60	2½”	1105	830	1380	1090	226	R-407 c
COMPAC 20000	16	232	20,0	1.200,0	706,8	400/3/50-60	2½”	1105	830	1380	1090	234	R-407 c
COMPAC 25500	16	232	25,5	1.530,0	901,2	400/3/50-60	3”	1395	830	1665	1085	273	R-407 c
COMPAC 30000	16	232	30,0	1.800,0	1060,2	400/3/50-60	3”	1395	830	1665	1085	330	R-407 c
COMPAC 35500	16	232	35,5	2.130,0	1254,6	400/3/50-60	4”	1395	830	1665	1085	334	R-407 c
COMPAC 40000	16	232	40,0	2.400,0	1413,6	400/3/50-60	4”	1395	830	1665	1085	348	R-407 c
COMPAC 45000	16	232	45,0	2.700,0	1590,3	400/3/50-60	DN-100	1850	950	2300	1570	480	R-407 c
COMPAC 50000	16	232	50,0	3.000,0	1767,0	400/3/50-60	DN-150	1850	950	2300	1570	552	R-407 c
COMPAC 60000	16	232	60,0	3.600,0	2120,4	400/3/50-60	DN-150	1850	950	2300	1570	700	R-407 c
COMPAC 71000	16	232	71,0	4.260,0	2509,1	400/3/50-60	DN-150	1850	950	2300	1570	800	R-407 c
COMPAC 80000	16	232	80,0	4.800,0	2827,2	400/3/50-60	DN-200	2600	950	2300	1570	950	R-407 c
COMPAC 90000	16	232	90,0	5.400,0	3180,6	400/3/50-60	DN-200	2600	950	2300	1570	1250	R-407 c
COMPAC 106000	16	232	106,0	6.360,0	3746,0	400/3/50-60	DN-200	2600	950	2300	1570	1380	R-407 c
COMPAC 120000	16	232	120,0	7.200,0	4240,8	400/3/50-60	DN-250	2600	950	2300	1570	1500	R-407 c

OUR MODELS CAN BE PREPARED TO BE OPERATED AT FREQUENCIES OF 50Hz AND 60Hz DEPENDING ON YOUR REQUIREMENTS THEREFORE CAN BE USED IN MARINE APPLICATIONS.

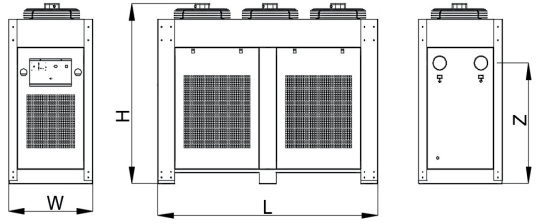
COOLER FLUID TYPES CAN BE CHANGED WHEN NECESSARY (R407c - R404a)



Models between Compac 900 and 8.500



Models between Compac 8.500 and 25.500



Models between Compac 25.500 and 120.000

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

CORRECTION FACTORS

CORRECTION FACTORS FOR DIFFERENT OPERATING PRESSURES

BAR	5	6	7	8	9	10	11	12	13	14	15	16
FE:1	0,9	0,96	1,0	1,04	1,06	1,09	1,10	1,20	1,24	1,31	1,39	1,48

CORRECTION FACTORS FOR DIFFERENT AMBIENT TEMPERATURES

˚C	20	25	30	35	40	45	50
FOS:1	1,05	1,0	0,98	0,93	0,84	0,76	0,7

CORRECTION FACTORS FOR DIFFERENT INLET AIR TEMPERATURES

˚C	30	35	40	45	50	55	60
AG:1	1,29	1,0	0,92	0,78	0,65	0,65	0,45

CORRECTION FACTORS FOR DIFFERENT DEWPOINT TEMPERATURES

˚C	2	3	6	8	10
FÇİ:1	0,8	1,0	1,14	1,25	1,36

REFERENCE CONDITIONS

- Operating Pressure : 7 bar (100psi)
- Operating Temperature : 35°C / 95°F
- Room Temperature : 25°C / 77°F
- Pressure Dewpoint :+3°C + / -1 / 37,4°F

*Available in different voltages and frequency

LIMIT CONDITIONS

- Max. Operating Pressure : 16 bar (232psi)
- Max. Operating Temperature : 60°C / 140°F
- Min. Room Temperature : +5°C / 41°F
- Max. Room Temperature : +50°C / 122°F

*Please Check Correction Factors

FORMULA

$$\text{REAL FLOW RATE: } \frac{\text{NOMINAL FLOW RATE}}{\text{FE x FOS x AG x FÇİ}}$$

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ADSORPTION AIR DRYERS

Heatless Desiccant Dryers / Blower Purge Desiccant / Zero Purge Cooling

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

CNK DEW POINT CONTROLER

Controls the dew point of compressed air. CNK automatically organizes the flow of compressed air in the towers before dewpoint reaches to higher values than the set dew point. Therefore the outlet dewpoint of compressed air gets down to a lower value.

CNK prevents compressed air loss by extending operation time depending on dewpoint. CNK provides cost savings up to 75% by organizing operation times of towers depending on dewpoint.

Alarm function warns when necessary.

CNK is used as accessories in AK-DAB and AK-DAC systems and comes readily available.

AK-DAB; AK-DAC ADSORPTION DRYER

Two towers are filled with adsorbant materials. They are designed to filter H20 molecules by sieving. H20 molecules which adhere to the surface of adsorbent material can be easily separated by the interaction of molecular forces from where they are hold. While the first tower dries the incoming air, the second tower is regenerated with the reverse-direction regenerative air. This is a physical reaction and can be repeated countless times

This operation is alternated between two towers at normally 10 min intervals. Process goes in the order of drying, balancing and regenerating. The amount of air used for regeneration is approximately 15% for AK-DAB model, 30% for AK-DAC model and 15% for AK-DAB-20C. Besides, during the balancing operation the air in one tower is discharged.

Absorbent material is designed for these kinds of applications. When the system is protected from contamination from compressor oil (which is at levels less than 0,001 mg/m^3) of protection, replacement is suggested after a period of 5 years.

OPERATION

With the help of these applications, it is possible to reach -40˚C (0.117 gr/m^3) pressure dew-point with the model AK-DAB and -70˚C (0.0033 gr/m^3) pressure dew-point with the model AK-DAC, -20˚C (6 gr/m^3) pressure dew-point with the model AK-DAB-20C.

STANDARD ACCESSORIES

Electronic controller, at inlet; water separator with zero loss, oil alarm sensor, 1 micron dust and 0.5 mg/m^3 oil at outlet filter, 0,1 micron dust filter, 0,01 mg/m^3 oil filter.

ADSORPTION AIR DRYER TECHNICAL DATA

Model Dewpoint: -20	Air Flow Nm^3 / min	Connection Size BSP	Power V/ph/Hz	Height	Width	Depth	Weight
AKDAB-66-20C	0,066	1/4”	230/1/50	450	350	150	15
AKDAB-266-20C	0,26	1/4”	230/1/50	550	350	150	22
AKDAB-534-20C	0,53	1/2”	230/1/50	600	430	200	25
AKDAB-800-20C	0,8	1/2”	230/1/50	670	430	200	40
AKDAB-1000-20C	1,0	1/2”	230/1/50	1200	500	350	45
AKDAB-1600-20C	1,8	1/2”	230/1/50	1200	580	350	47
AKDAB-2000-20C	2	1/2”	230/1/50	1400	580	350	55
AKDAB-2400-20C	2,4	1/2”	230/1/50	1600	580	350	60
AKDAB-3200-20C	3,2	3/4”	230/1/50	2020	590	420	90
AKDAB-4000-20C	4	3/4”	230/1/50	1260	840	390	100
AKDAB-5344-20C	5,34	1”	230/1/50	1460	840	390	125
AKDAB-6400-20C	6,4	1”	230/1/50	1650	840	390	150
AKDAB-8000-20C	8	1”	230/1/50	1700	840	390	180
AKDAB-10000-20C	10	1 1/4”	230/1/50	1800	840	390	200
AKDAB-12000-20C	12	1 1/2”	230/1/50	1950	840	390	225
AKDAB-14000-20C	14	1 1/2”	230/1/50	2030	900	650	300
AKDAB-16000-20C	16	2”	230/1/50	2110	900	650	400
AKDAB-19000-20C	19	2”	230/1/50	2200	900	650	460
AKDAB-21000-20C	21	2”	230/1/50	2200	1000	700	525
AKDAB-24000-20C	24	2”	230/1/50	2250	1050	750	650
AKDAB-32000-20C	32	2 1/2”	230/1/50	2280	1120	860	780
AKDAB-40000-20C	40	2 1/2”	230/1/50	2400	1300	1010	950
AKDAB-50000-20C	50	3”	230/1/50	2500	1300	1010	1220
AKDAB-60000-20C	60	3”	230/1/50	2530	1300	1190	1300
AKDAB-80000-20C	80	3”	230/1/50	2600	1800	1410	1550
AKDAB-100000-20C	100	NW100	230/1/50	2630	1800	1410	2150
AKDAB-150000-20C	150	NW125	230/1/50	2700	1920	1410	2850
AKDAB-190000-20C	190	NW150	230/1/50	2950	2500	1800	3750
AKDAB-240000-20C	240	NW200	230/1/50	3200	2500	1800	4350
AKDAB-320000-20C	320	NW200	230/1/50	3800	2750	2000	5350

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

ADSORPTION AIR DRYER TECHNICAL DATA

Model Dewpoint: -40	Air Flow Nm^3 / min	Connection Size BSP	Power V/ph/Hz	Height	Width	Depth	Weight
AKDAB-33	0,033	1/4”	230/1/50	450	350	150	15
AKDAB-133	0,13	1/4”	230/1/50	550	350	150	22
AKDAB-267	0,26	1/2”	230/1/50	600	430	200	25
AKDAB-400	0,4	1/2”	230/1/50	670	430	200	40
AKDAB-533	0,53	1/2”	230/1/50	1200	500	350	45
AKDAB-800	0,8	1/2”	230/1/50	1200	580	350	47
AKDAB-1000	1	1/2”	230/1/50	1400	580	350	55
AKDAB-1200	1,2	1/2”	230/1/50	1600	580	350	60
AKDAB-1600	1,6	3/4”	230/1/50	2020	590	420	90
AKDAB-2000	2	3/4”	230/1/50	1260	840	390	100
AKDAB-2667	2,67	1”	230/1/50	1460	840	390	125
AKDAB-3200	3,2	1”	230/1/50	1650	840	390	150
AKDAB-4000	4	1”	230/1/50	1700	840	390	180
AKDAB-5000	5	1 1/4”	230/1/50	1800	840	390	200
AKDAB-6000	6	1 1/2”	230/1/50	1950	840	390	225
AKDAB-7000	7	1 1/2”	230/1/50	2030	900	650	300
AKDAB-8000	8	2”	230/1/50	2110	900	650	400
AKDAB-9500	9,5	2”	230/1/50	2200	900	650	460
AKDAB-10500	10,5	2”	230/1/50	2200	1000	700	525
AKDAB-12000	12	2”	230/1/50	2250	1050	750	650
AKDAB-16000	16	2 1/2”	230/1/50	2280	1120	860	780
AKDAB-20000	20	2 1/2”	230/1/50	2400	1300	1010	950
AKDAB-25000	25	3”	230/1/50	2500	1300	1010	1220
AKDAB-30000	30	3”	230/1/50	2530	1300	1190	1300
AKDAB-40000	40	3”	230/1/50	2600	1800	1410	1550
AKDAB-50000	50	NW100	230/1/50	2630	1800	1410	2150
AKDAB-75000	75	NW125	230/1/50	2700	1920	1410	2850
AKDAB-95000	95	NW150	230/1/50	2950	2500	1800	3750
AKDAB-120000	120	NW200	230/1/50	3200	2500	1800	4350
AKDAB-160000	160	NW200	230/1/50	3800	2750	2000	5350

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

ADSORPTION AIR DRYER TECHNICAL DATA

Model Dewpoint: -70	Air Flow Nm^3 / min	Connection Size BSP	Power V/ph/Hz	Height	Width	Depth	Weight
AKDAC-33	0,033	1/4”	230/1/50	450	350	150	15
AKDAC-133	0,13	1/4”	230/1/50	550	350	150	22
AKDAC-267	0,26	1/2”	230/1/50	600	430	200	25
AKDAC-400	0,4	1/2”	230/1/50	670	430	200	40
AKDAC-533	0,53	1/2”	230/1/50	1200	500	350	45
AKDAC-800	0,8	1/2”	230/1/50	1200	580	350	47
AKDAC-1000	1	1/2”	230/1/50	1400	580	350	55
AKDAC-1200	1,2	1/2”	230/1/50	1600	580	350	60
AKDAC-1600	1,6	3/4”	230/1/50	2020	590	420	90
AKDAC-2000	2	3/4”	230/1/50	1260	840	390	100
AKDAC-2667	2,67	1”	230/1/50	1460	840	390	125
AKDAC-3200	3,2	1”	230/1/50	1650	840	390	150
AKDAC-4000	4	1”	230/1/50	1700	840	390	180
AKDAC-5000	5	1 1/4”	230/1/50	1800	840	390	200
AKDAC-6000	6	1 1/2”	230/1/50	1950	840	390	225
AKDAC-7000	7	1 1/2”	230/1/50	2030	900	650	300
AKDAC-8000	8	2”	230/1/50	2110	900	650	400
AKDAC-9500	9,5	2”	230/1/50	2200	900	650	460
AKDAC-10500	10,5	2”	230/1/50	2200	1000	700	525
AKDAC-12000	12	2”	230/1/50	2250	1050	750	650
AKDAC-16000	16	2 1/2”	230/1/50	2280	1120	860	780
AKDAC-20000	20	2 1/2”	230/1/50	2400	1300	1010	950
AKDAC-25000	25	3”	230/1/50	2500	1300	1010	1220
AKDAC-30000	30	3”	230/1/50	2530	1300	1190	1300
AKDAC-40000	40	3”	230/1/50	2600	1800	1410	1550
AKDAC-50000	50	NW100	230/1/50	2630	1800	1410	2150
AKDAC-75000	75	NW125	230/1/50	2700	1920	1410	2850
AKDAC-95000	95	NW150	230/1/50	2950	2500	1800	3750
AKDAC-120000	120	NW200	230/1/50	3200	2500	1800	4350
AKDAC-160000	160	NW200	230/1/50	3800	2750	2000	5350

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

CORRECTION FACTORS

CORRECTION FACTORS FOR DIFFERENT OPERATING PRESSURES

BAR	4	5	6	7	8	9	10	11	12	13
Fc:T	0,60	0,74	0,86	1	1,10	1,20	1,30	1,35	1,40	1,46

CORRECTION FACTORS FOR INLET TEMPERATURE OPERATING PRESSURES

°C	25	30	35	40	45	50
Fc:T	1,10	1,05	1	0,9	0,70	0,60

REFERENCE CONDITIONS

- Operating Pressure : 7 bar
- Operating Temperature : 35°C
- Room Temperature : 25°C
- Pressure Dewpoint :-20°C / -40°C / -70°C

*Available in different voltages and frequency

LIMIT CONDITIONS

- Max. Operating Pressure : 16 bar
- Max. Operating Temperature : 50°C
- Max. Room Temperature : 50°C

*Please Check Correction Factors

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

DRY AIR CUTTING SYSTEM 40 BAR (g)

DRY AIR CUTTING SYSTEM 13 BAR (g)

DRY AIR CUTTING SYSTEM 40 BAR (g)

DRY AIR CUTTING SYSTEM 40 BAR (g)

DRY AIR CUTTING SYSTEM 13 BAR (g)

BLOWER PURGE
DESICCANT DRYERS

Zero Purge Cooling
-40°C/-70°C

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

AK-DAB / AK-DAC 6001 - 160001

This type of dryers have been designed to produce compressed dry air at dew points higher than -40°C and -70°C and operate with an air loss at a rate of 2%.

That air loss can be reduced to minimal levels depending on a dew point controller addition.

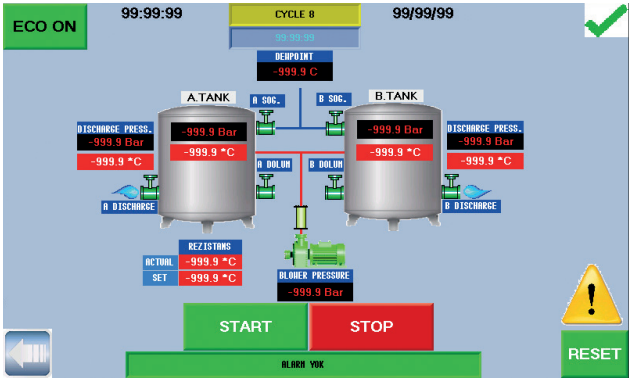
This operation is achievable by producing tower regeneration air by a blower and resistance heater.

AK-DAB / AK-DAC 20002 - 160002

This type of dryers have been designed to produce compressed dry air at dew points higher than -40°C and -70°C and deliver dried compressed air without any loss to a plant's operating systems.

This operation is achievable by producing regeneration air by a blower and resistance heater and cooler.

THE VIEW FROM THE TOP



LCD TOUCH SCREEN CONTROL PANEL

BLOWER PURGE DESICCANT DRYERS TECHNICAL DATA

Model	AKDAB AKDAC Pressure Dew-point		FAD 7 Bar(g) 100 Psig lt/min	m^3/h	cfm	Connection inch	Power V/ph/Hz	Height	Width	Depth
6001	-40	-70	6000	360	212	R 11/2”	230/1/50	1750	800	1250
9001	-40	-70	9000	540	318	R 11/2”	230/1/50	1800	900	1400
12001	-40	-70	12000	720	424	R 2”	230/1/50	1850	1000	1500
16001	-40	-70	16000	960	565	R 2”	380/3/50	1900	1000	1500
20001	-40	-70	20000	1200	707	DN 80	380/3/50	2580	1200	1800
15001	-40	-70	25000	1500	883	DN 80	380/3/50	2600	1200	1800
30001	-40	-70	30000	1800	1060	DN 80	380/3/50	2700	1300	2400
40001	-40	-70	40000	2400	1412	DN 100	380/3/50	2950	1350	2500
50001	-40	-70	50000	3000	1766	DN 100	380/3/50	2950	1450	2600
75001	-40	-70	75000	4500	2649	DN 125	380/3/50	2950	1550	2750
95001	-40	-70	95000	5700	3355	DN 150	380/3/50	2950	2200	3000
120001	-40	-70	120000	7200	4238	DN 150	380/3/50	2950	2200	3200
160001	-40	-70	160000	9600	5660	DN 150	380/3/50	2950	2500	3400

ZERO PURGE COOLING DESICCANT DRYERS

20002	-40	-70	20000	1200	707	DN 80	2580	1200	1800
25002	-40	-70	25000	1500	883	DN 80	2600	1200	1800
30002	-40	-70	30000	1800	1060	DN 80	2700	1300	2400
40002	-40	-70	40000	2400	1412	DN 100	2950	1350	2500
50002	-40	-70	50000	3000	1766	DN 100	2950	1450	2600
75002	-40	-70	75000	4500	2649	DN 125	2950	1550	2750
95002	-40	-70	95000	5700	3355	DN 150	2950	2200	3000
120002	-40	-70	120000	7200	4238	DN 150	2950	2200	3200
160002	-40	-70	160000	9600	5660	DN 150	2950	2500	3400

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

CORRECTION FACTORS

CORRECTION FACTORS FOR DIFFERENT OPERATING PRESSURES

BAR	4	5	6	7	8	9	10
Fc:T	0,60	0,74	0,86	1,00	1,10	1,20	1,30

CORRECTION FACTORS FOR INLET TEMPERATURE OPERATING PRESSURES

°C	25	30	35	40	45	50
Fc:T	1,10	1,05	1,00	0,90	0,70	0,60

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.
FOR BIGGER CAPACITIES AND MODELS, PLEASE CONTACT WITH OUR TEAM

COMPRESSED AIR FILTERS

Compressed Air, Oil and Water Retention Filters

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

WHY SHOULD PRESSURIZED AIR BE FILTERED?

There are about 140 million granules of dust and similar particles in 1 m^3 of typical city air. 90% of these granules are under 2 microns. These granules (about 5 microns) pass from suction filter of your compressor easily, enter the compressor unit and spread with pressurized air into air assembly. On the other hand, at least 6 mg/m^3 burned oil comes from the compressor which is combined with water and dust in the air and damages o-rings, felts of all equipment working with pressurized air. It causes air leakages, oxidation and blockage of valves. Furthermore, it damages the quality in coating systems. Therefore, filtration of pressurized air is very important in industry. Filters are produced in three separate sensitivity levels and are connected sequentially according to the importance of their placement. Depending on the Daily operation time, ambient temperature and the compressors oil discharge rate, filter components should be replaced after 4 to 6 months of use. Filter components can not be cleaned; blocked components should be replaced immediately.

PRESSURIZED AIR QUALITY: MEASUREMENTS and APPLICATIONS

ISO 8573-1	OIL	DUST		WATER			
CLASS	CONCENTRATION	DIMENSION	CONCENTRATION	DEW POINT		WATER CONCENT	
	mg/m^3	µm	mg/m^3	°Ctpd	°Ftpd	g/m^3 (at 1 bar rel)	ppm
1	0,01	0,1		-70	-94	0,003	4
2	0,1	1		-40	-40	0,12	163
3	1	5		-20	-4	0,88	1200
4	5	15	8	3	37	6	8150
5	25	40	10	7	44	7,8	10600
6	-	-	-	10	50	9,4	12800

DIN ISO 8573-1 form compressed air quality is separated into classes according to above factors.

ACCESSORIES

DIFFERENTIAL PRESS. INDICATOR

When internal element of your filter is polluted, indicator turns from green to red. Furthermore, it is possible to receive electronic signal.

TIMED DRAIN

Timed drain with waiting and discharging time setting.

OTA-02 TIMED DRAIN

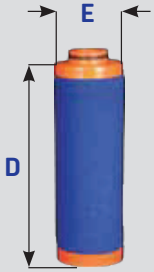
Automatic mini floatcondensate drain.

ZEROMAT

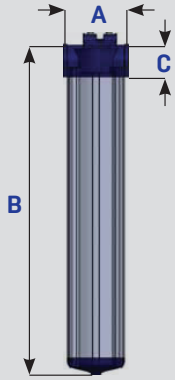
Zero compressed air loss drain with magnetic smart sensor.

YAF - 16.000
High Pressure Compressed Air Filter

SA - 1.200
Water Seperator

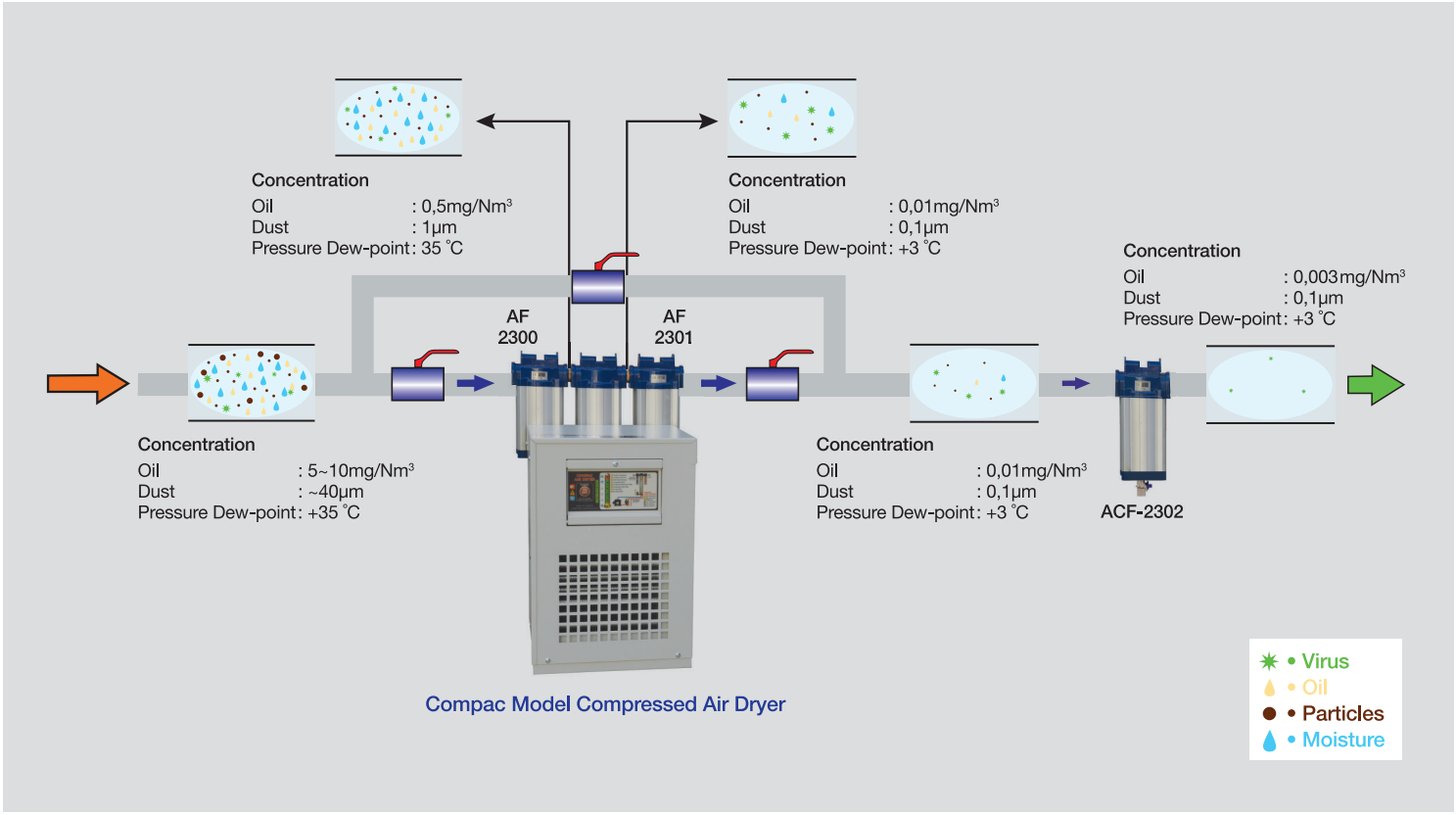


AFİ - 5.500
Filter Element



AF - 18.000
Compressed Air Filter

AF - 70.000
Compressed Air Filter



Compac Model Compressed Air Dryer

- In the input filter; particle up to 1 micron and air filtration up to 0,5 ppm (0,5 mg/m³) are provided
- In the active carbon filter; air and odour filtration up to 0,003 ppm (0,003 mg/m³) is provided
- Recommended internal element change pressure difference 700 Mbar.
- In the active carbonized filter; air and odour filtration up to 0,003 ppm (0,003 mg/m³) is provided
- In the output filter; particle up to 0,01 micron and air filtration up to 0,01 ppm (0,01 mg/m³) are provided
- Starting pressure loss 80-120 Mbar.
- Technical Specifications are offered for 21C°.
- With the given flow rates, Operating Pressure is 7 bar (g)

COMPRESSED AIR FILTERS TECHNICAL DATA

Filter Model	Flow Rate	Pipe Size	Operating Pressure	Max. Oil Concent	Filtration Grade	A	B	C	D	E	Weight (Kg)	Element
AF - 700	700 l/min	1/2”	16 BAR	0,5 mg/m³	1 micron	95	145	35	85	52	1	1
AF - 701	700 l/min	1/2”	16 BAR	0,01 mg/m³	0,01 micron	95	145	35	85	52	1	1
ACF - 702	700 l/min	1/2”	16 BAR	0,003 mg/m³	-	95	145	35	85	52	1	1
AF - 1200	1200 l/min	1/2”	16 BAR	0,5 mg/m³	1 micron	95	275	35	17	52	1,6	1
AF - 1201	1200 l/min	1/2”	16 BAR	0,01 mg/m³	0,01 micron	95	275	35	17	52	1,6	1
ACF - 1202	1200 l/min	1/2”	16 BAR	0,003 mg/m³	-	95	275	35	17	52	1,6	1
AF - 2300	2300 l/min	3/4”	16 BAR	0,5 mg/m³	1 micron	125	255	53	121	73	2,9	1
AF - 2301	2300 l/min	3/4”	16 BAR	0,01 mg/m³	0,01 micron	125	255	53	121	73	2,9	1
ACF - 2302	2300 l/min	3/4”	16 BAR	0,003 mg/m³	-	125	255	53	121	73	2,9	1
AF - 3700	3700 l/min	1”	16 BAR	0,5 mg/m³	1 micron	125	310	53	152	73	4	1
AF - 3701	3700 l/min	1”	16 BAR	0,01 mg/m³	0,01 micron	125	310	53	152	73	4	1
ACF - 3702	3700 l/min	1”	16 BAR	0,003 mg/m³	-	125	310	53	152	73	4	1
AF - 5500	5500 l/min	1”	16 BAR	0,5 mg/m³	1 micron	125	395	53	205	73	4,3	1
AF - 5501	5500 l/min	1”	16 BAR	0,01 mg/m³	0,01 micron	125	395	53	205	73	4,3	1
ACF - 5502	5500 l/min	1”	16 BAR	0,003 mg/m³	-	125	395	53	205	73	4,3	1
AF - 6500	6500 l/min	1 1/2”	16 BAR	0,5 mg/m³	1 micron	125	405	65	250	73	4,4	1
AF 6501	6501 l/min	1 1/2”	16 BAR	0,01 mg/m³	0,01 micron	125	405	65	250	73	4,4	1
ACF - 6502	6502 l/min	1 1/2”	16 BAR	0,003 mg/m³	-	125	405	65	250	73	4,4	1
AF - 11000	11000 l/min	2”	16 BAR	0,5 mg/m³	1 micron	156	580	84	322	85	6,7	1
AF - 11001	11000 l/min	2”	16 BAR	0,01 mg/m³	0,01 micron	156	580	84	322	85	6,7	1
ACF - 11002	11000 l/min	2”	16 BAR	0,003 mg/m³	-	156	580	84	322	85	6,7	1
AF - 13000	13000 l/min	2”	16 BAR	0,5 mg/m³	1 micron	156	580	84	322	85	6,7	1
AF - 13001	13000 l/min	2”	16 BAR	0,01 mg/m³	0,01 micron	156	580	84	322	85	6,7	1
ACF - 13002	13000 l/min	2”	16 BAR	0,003 mg/m³	-	156	580	84	322	85	6,7	1
AF - 18000	18000 l/min	2”	16 BAR	0,5 mg/m³	1 micron	160	870	82	625	85	10,2	1
AF - 18001	18000 l/min	2”	16 BAR	0,01 mg/m³	0,01 micron	160	870	82	625	85	10,2	1
ACF - 18002	18000 l/min	2”	16 BAR	0,003 mg/m³	-	160	870	82	625	85	10,2	1

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

COMPRESSED AIR FILTERS TECHNICAL DATA

Filter Model	Flow Rate	Pipe Size		Operating Pres.	Max. Oil Concent	Filtration Grade	A	B	C	D	E	Weight (Kg)	Element
		FLANGE	MUFF										
AF - 26000	26000 l/min	-	3”	16 BAR	0,5 mg/m³	1 micron	265	745	130	322	85	22	2
AF - 26001	26000 l/min	-	3”	16 BAR	0,01 mg/m³	0,01 micron	265	745	130	322	85	22	2
ACF - 26002	26000 l/min	-	3”	16 BAR	0,003 mg/m³	-	265	745	130	322	85	22	2
AF - 33000	33000 l/min	-	3”	16 BAR	0,5 mg/m³	1 micron	265	745	130	322	85	25	3
AF - 33001	33000 l/min	-	3”	16 BAR	0,01 mg/m³	0,01 micron	265	745	130	322	85	25	3
ACF - 33002	33000 l/min	-	3”	16 BAR	0,003 mg/m³	-	265	745	130	322	85	25	3
AF - 50000	50000 l/min	NW150	-	16 BAR	0,5 mg/m³	1 micron	412	930	140	625	85	32	3
AF - 50001	50000 l/min	NW150	-	16 BAR	0,01 mg/m³	0,01 micron	412	930	140	625	85	32	3
ACF - 50002	50000 l/min	NW150	-	16 BAR	0,003 mg/m³	-	412	930	140	625	85	32	3
AF - 60000	60000 l/min	NW150	-	16 BAR	0,5 mg/m³	1 micron	412	930	140	625	85	37	3
AF - 60001	60000 l/min	NW150	-	16 BAR	0,01 mg/m³	0,01 micron	412	930	140	625	85	37	3
ACF - 60002	60000 l/min	NW150	-	16 BAR	0,003 mg/m³	-	412	930	140	625	85	37	3
AF - 74000	74000 l/min	NW150	-	16 BAR	0,5 mg/m³	1 micron	412	1061	215	640	114	120	4
AF - 74001	74000 l/min	NW150	-	16 BAR	0,01 mg/m³	0,01 micron	412	1061	215	640	114	120	4
ACF - 74002	74000 l/min	NW150	-	16 BAR	0,003 mg/m³	-	412	1061	215	640	114	120	4
AF - 90000	90000 l/min	NW200	-	16 BAR	0,5 mg/m³	1 micron	412	1061	215	640	114	140	5
AF 90001	90000 l/min	NW200	-	16 BAR	0,01 mg/m³	0,01 micron	412	1061	215	640	114	140	5
ACF - 90002	90000 l/min	NW200	-	16 BAR	0,003 mg/m³	-	412	1061	215	640	114	140	5
AF - 120000	120000 l/min	NW200	-	16 BAR	0,5 mg/m³	1 micron	412	1061	215	640	120	215	6
AF - 120001	120000 l/min	NW200	-	16 BAR	0,01 mg/m³	0,01 micron	412	1061	215	640	120	215	6
ACF - 120002	120000 l/min	NW200	-	16 BAR	0,003 mg/m³	-	412	1061	215	640	120	215	6
AF - 140000	140000 l/min	NW200	-	16 BAR	0,5 mg/m³	1 micron	415	1065	220	645	125	220	7
AF - 140001	140000 l/min	NW200	-	16 BAR	0,01 mg/m³	0,01 micron	415	1065	220	645	125	220	7
ACF - 140002	140000 l/min	NW200	-	16 BAR	0,003 mg/m³	-	415	1065	220	645	125	220	7

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

ACT ACTIVATED CARBON TOWER

Oil Burner and Odor Holder Filters

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

ACT ACTIVATED CARBON TOWER

It works on the basis of absorption of oil vapor and hydrocarbon odors by absorbent material. Even if the adsorbent material takes the oil vapor quantity down to very low levels, after saturation, it doesn't continue to filtrate.

OPERATION

ACT Activated Carbon Tower absorbs oil vapour and hydrocarbon odour in compressed air around 0.003 mg/m^3, if the inlet compressed air temperature is 20˚C. **Compressed Air Quality: ISO 8573 Class 1 (oil)**

APPLICATIONS

- When faced with high oil vapour input

  i.e : high pressure piston Compressor.

- Protection of absorbant material

  i.e : Adsorption dryer

- When oil vapour and hydrocarbon odour affects products.

Model	Air Flow Nm^3 / min	Connection Size BSP	Height	Width	Depth	Weight
ACT-250	0,25	1/2"	950	175	150	15
ACT-500	0,5	1/2"	1000	250	150	20
ACT-800	0,8	1/2"	1000	400	200	23
ACT-1200	1,2	1/2"	1350	400	200	25
ACT-1800	1,8	3/4"	1000	400	250	30
ACT-2600	2,6	1"	1470	400	250	53
ACT-3700	3,7	1"	1690	400	250	64
ACT-5500	5,5	1¼"	1130	600	250	135
ACT-7000	7	1½"	1770	650	250	140
ACT-8500	8,5	2"	1550	980	250	180
ACT-11000	11	2"	1820	980	250	233
ACT-16000	16	2"	1860	750	500	192
ACT-22000	22	2"	2000	900	550	280
ACT-24000	24	2½"	2200	1000	670	315
ACT-30000	30	3"	2500	1200	900	410

TECHNICAL SPECIFICATIONS

- Pressure loss: 200 mbar (0.2 bar)
- Service life max: ~12 months (8000 hour) 30˚C (86˚F)
  ~3 months (2000 hour) 45˚C (113˚F)
- ΔP: 200 mbar.
- Working Pressure Max.: 16 bar
- Inlet Temperature: 20˚C
- Oil Concentration 0,003 mg/m^3
- Service Life Max. ~12 months (8000 hour) 30˚C
  ~3 months (3000 hour) 45˚C

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

WATER SEPARATORS

Manual / Mini Ballcock / Waiting / Discharge
Time Adjusted / Zero Air Loss

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

AF 4 SERIES WATER SEPARATORS

In compressed air systems, liquid water that is formed from cooling and pressure effects, proceed in compressed air line as droplets. If precautions are not taken, it causes serious problems such as rusting in pneumatic systems, air leakages and valve jams.

In order to avoid problems like these, compressed air and liquid water should be separated from each other with the AF-04 series water separators.

OPERATION

OTA-01 TIMED DRAIN

Timed drain with adjustable waiting and discharging times

OTA-02 TIMED DRAIN

Automatic mini float condensate drain.

ZEROMAT

Smart magnetic sensor auto drain with zero compressed air loss.

AF 4 SERIES WATER SEPARATORS TECHNICAL DATA

Model	Connection Size BSP	Air Flow Rate Nm^3/min	WATER DRAIN SYSTEMS			
AF-704	1/2”	0,7	AF-704 + Manual Discharge	AF-704 + OTA-02 Automatic Mini Float Drain	AF-704 + OTA-01 Waiting and Discharging Adjusted Drain	AF-704 + ZEROMAT-01 Zero Air Loss Drain
AF-1204	1/2”	1,2	AF-1204 + Manual Discharge	AF-1204 + OTA-02 Automatic Mini Float Drain	AF-1204 + OTA-01 Waiting and Discharging Adjusted Drain	AF-1204 + ZEROMAT-01 Zero Air Loss Drain
AF-2304	3/4”	2,3	AF-2304 + Manual Discharge	AF-2304 + OTA-02 Automatic Mini Float Drain	AF-2304 + OTA-01 Waiting and Discharging Adjusted Drain	AF-2304 + ZEROMAT-01 Zero Air Loss Drain
AF-3704	1”	3,7	AF-3704 + Manual Discharge	AF-3704 + OTA-02 Automatic Mini Float Drain	AF-3704 + OTA-01 Waiting and Discharging Adjusted Drain	AF-3704 + ZEROMAT-01 Zero Air Loss Drain
AF-5504	1”	5,5	AF-5504 + Manual Discharge	AF-5504 + OTA-02 Automatic Mini Float Drain	AF-5504 + OTA-01 Waiting and Discharging Adjusted Drain	AF-5504 + ZEROMAT-01 Zero Air Loss Drain
AF-6504	1 1/2”	6,5	AF-6504 + Manual Discharge	AF-6504 + OTA-02 Automatic Mini Float Drain	AF-6504 + OTA-01 Waiting and Discharging Adjusted Drain	AF-6504 + ZEROMAT-01 Zero Air Loss Drain
AF-10.504	1 1/2”	10,5	AF-10.504 + Manual Discharge	AF-10.504 + OTA-02 Automatic Mini Float Drain	AF-10.504 + OTA-01 Waiting and Discharging Adjusted Drain	AF-10.504 + ZEROMAT-01 Zero Air Loss Drain

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

ZEROMAT

Timed Drain Systems

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

TIMED DRAIN SYSTEM

In compressed air systems, liquid water that is formed from cooling and pressure effects is much more in summer than in winter.

By a water separator, compressed air and liquid water are separated from each other. That liquid water can be discharged by the following

Three options:

1-) Employee in charge manually opening and closing the drain valve periodically. (Because a personnel has to engage with it and compressed air will be discharged with water, it's not recommended)

2-) A. Consists of waiting and discharging time adjusted timer + solenoid valve + filtered faucet; by Ota-01 discharger with air loss. (compressed air is discharged with water periodically. Seasonal (summer/winter) adjustment will be necessary)

B. Mini float condensate drain: It's an unprofessional type of drain (it can clog earlier, become functionless)

3-) With Zeromat, it becomes possible to discharge the water without air loss and there is no need for seasonal adjustment.

It's a professional piece of equipment. It's not affected from the pollution with the help of dust filters inside it. It saves energy because of zero air loss. So in a short time, you can amortize its cost. Automatic drain systems are placed under the air receivers & AF series compressed air filters & AF-04 series water separators. It is chosen according to the requirements of the compressed air system and discharge the liquid water without air loss.

ZEROMAT TIMED DRAIN SYSTEMS TECHNICAL DATA

Model	Water Drain Cup	Recommended Air Tank Model	Connection Size
ZEROMAT - 01	0,5 L	200 L - 1500 L	1/2”
ZEROMAT - 02	1 L	1500 L and ABOVE	1/2”

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

LASER AIR DRYER

Quality Compressed Air for Laser/Plasma Systems

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

LASER AIR DRYER TECHNICAL DATA

- Max. Working Pressure : 16 bar (g)
- Pressure Dew Point : +3°C
- Atmospheric Dew Point : -22°C
- Airborne Water Pressure : 6 gram / m^3 / 7 bar (g)
- Compressed Air Remaining Oil : 0,003 gram / m^3
- Compressed Air Remaining Dust : 0,01 micron
- Compressed Air Quality : ISO 8573-1: 0-1-4

  Zero Air - Loss Drain

10 YEAR WORKING LIFE

SOLUTIONS

1. **OPERATION**

Optics and other pneumatic equipment of your laser cutting machines is under our guarantee.

2. **OPERATION**

Supplies your laser cutting machines with quality and clean pressurized air, also automatically stops air flow with its emergency valve.

PERIODIC MAINTENANCE

Need to change 2 Air filter cartridges every 6 months and active carbon every 2 years.

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

LASER COMBINED AIR DRYER

Combined Pressure Air Dryer for Laser Cutting Machines

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

COMBINED LASER AIR DRYER TECHNICAL DATA

- Max. Working Pressure : 16 bar (g)
- Pressure Dew Point : -70°C
- Atmospheric Dew Point : -83°C
- Airborne Water Pressure : 0,0033 gram / m^3 / 7 bar (g)
- Compressed Air Remaining Oil : 0,003 gram / m^3
- Compressed Air Remaining Dust : 0,001 micron
- Zero Air - Loss Drain

10 YEAR WORKING LIFE

SOLUTIONS

1. OPERATION

Cutting air supply : ISO 8573-1 : 0-1-1
Precise cut of stainless steel up to 2 mm [13 bar (g)]

2. OPERATION

Quality pressurized air supply for laser cutting machine

PERIODIC MAINTENANCE

Need to change 3 air filter cartridges every 6 months, active carbon each year and desiccant dryer filling material every 5 years.

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

NITROGEN GENERATOR TWINTOWER MODEL

Advanced System in Gas Separation
Nitrogen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

ADVANTAGES OF THE NITROGEN GENERATOR

- Reliable and economical N_2 production with PSA technology up to 99,999% purity
- Amortizes costs in less than 2 years time.
- The spare parts are in our stock because same components are used in all models. Periodic maintenance is only once in every 6 months and economical.
- It eliminates logistical or supplier problem which arise from the transportation of liquid or cylinder nitrogen.
- AAG Nitrogen Generator unit was designed to swiftly amortize your investments by helping you save substantially on nitrogen consumption.

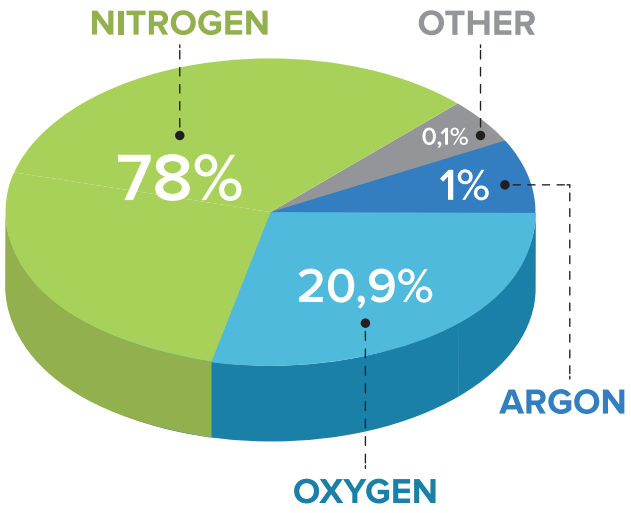
STANDARD EQUIPMENT

- Water separator for inlet of feed pressure air, 1 unit
- Water discharge system with zero air loss, 1 unit (Zeromat)
- Line filters for feeding pressurized air, 2 units (0,5 and 0,01 PPM)
- Outlet filter, 1 pc, 0.01 PPM
- Pneumatic valves
- PLC control system with fully automated operations
- Pressure switch for automated Idle-Mode
- Sensor for compressed air inlet
- Exhaust mufflers
- Regulator for nitrogen pressure

LCD TOUCH DISPLAY CONTROL PANEL PROPERTIES

- Total work time display
- Automatic or manual operation
- Measurement of gas purity constantly or instantly (Optional 30 days purity memory)
- Adjustable time settings
- Language (Turkish-English)
- One touch technical service contact details
- Optional alarm with sound or light on demand
- Automatic stop control when outlet pressure increases

DRY AIR COMPOSITION



FIELDS OF APPLICATION

- Nitrogen gas is used in a variety of industrial applications.
- It is stored or produced on-site to supress other unwanted gases such as Oxygen in various processes.

FOOD, MEDICINE, PACKAGING, AVIATION, AUTOMOTIVES, LASER CUTTING, ELECTRONICS, PETROCHEMICALS, PLASTIC INJECTIONS, COOLING, CHEMICAL, COATING, COSMETICS industries are the main sectors.

INDUSTRY	APPLICATION
Food and MAP Processes	Fruit Juice, Milk, Water and Coffee Packaging / Olive Oil / Wine Beverage and Storage / Cooking Oil Grinding Cold Storage of Fresh Vegetables
Electronics	Laser Cutting / Heat Application
Medical Products	Packaging / Processes
Smelting	Nitration / Isolation
Metal Works	Heat Application / Aluminium Extrusion / Laser Cutting
Chemical	Reservoir Isolation / Solvent Isolation / Fuel Storage Polymer Production / Solvent Dye Production
Automotive	Tyre Inflating / Leakage Tests
Other	Pressure Control / Copper Cable / Block Injection

BASIC TECH. FEATURES	
Nitrogen Purity	up to 99,999%
Nitrogen Pressure Max.	300 bar (g) ✻
Min. Air Pressure	6 bar
Max. Particle Content	0,01 µm
Electricty Consumption	120W - 230 VAC

(1) Please contact us for higher nitrogen pressure ✻ NITROGEN BOOSTER COMPRESSOR

TWINTOWER MODEL NITROGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	N_2 Output Pressure (Barg) [2]	Power V/ph/Hz
NITROPAK 213	740	750x750x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 226	950	800x1060x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 239	1850	900x1270x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 252	2000	1000x1400x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 265	2150	1000x1600x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 278	2600	1000x1800x2500	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 291	3200	1000x1900x3000	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 304	3600	1200x2000x3000	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 305	4000	2245x4074x2787	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 307	4400	2375x4024x3054	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 309	4800	2370x4020x3317	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 311	5200	2370x4020x3317	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 313	5600	2370x4120x3350	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 315	6000	2370x4120x3350	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 317	6400	2400x4125x3611	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 319	6800	2590x4200x3900	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 321	7200	2590x4200x3900	0.01	7,5	6	110 - 230 / 1 / 50 - 60

MINIMUM NITROGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

	N_2 Flow	(Nm^3/h)	Operating Pressure: Up to 11,5 bar (Standart: 7 bar)							
MODEL / PURITY	95%	97%	98%	99% [1]	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%
NITROPAK 213	155	103	89.1	70.3	58.4	39.6	32.7	19.8	16.8	13
NITROPAK 226	310	206	178.2	140.6	116.8	79.2	65.4	39.6	33.6	26
NITROPAK 239	465	309	267.3	210.9	175.2	118.8	98.1	59.4	50.4	39
NITROPAK 252	620	412	356.4	281.2	233.6	158.4	130.8	79.2	67.2	52
NITROPAK 265	775	515	445.5	351.5	292	198	163.5	99	84	65
NITROPAK 278	930	618	534.6	421.8	350.4	237.6	196.2	118.8	100.8	78
NITROPAK 291	1085	721	623.7	492.1	408.8	277.2	228.9	138.6	117.6	91
NITROPAK 304	1240	824	712.8	562.4	467.2	316.8	261.6	158.4	134.4	104
NITROPAK 305	1395	927	801.9	632.7	525.6	356.4	294.3	178.2	151.2	117
NITROPAK 307	1550	1030	891	703	584	396	327	198	168	130
NITROPAK 309	1705	1133	980.1	773.3	642.4	435.6	359.7	217.8	184.8	143
NITROPAK 311	1860	1236	1069.2	843.6	700.8	475.2	392.4	237.6	201.6	156
NITROPAK 313	2015	1339	1158.3	913.9	759.2	514.8	425.1	257.4	218.4	169
NITROPAK 315	2170	1442	1247.4	984.2	817.6	554.4	457.8	277.2	235.2	182
NITROPAK 317	2325	1545	1336.5	1054.5	876	594	490.5	297	252	195
NITROPAK 319	2480	1648	1425.6	1124.8	934.4	633.6	523.2	316.8	268.8	208
NITROPAK 321	2635	1751	1514.7	1195.1	992.8	673.2	555.9	336.6	285.6	221

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

CORRECTION FACTORS

PRESSURE INLET BAR (psi) FOR 7,5 BAR (g) INLET

COMPRESSED AIR INLET PRESSURE	6,5 (94,3)	7,5 (108,8)	8,5 (123,3)	9,5 (137,8)	10,5 (152,3)	11,5 (181,3)
PERFORMANCE PERCENTAGE	0,84	1	1,08	1,16	1,25	1,3

COMPRESSED AIR INLET TEMPERATURE IN °C (°F)

5 (41)	10 (50)	15 (59)	20 (68)	25 (77)	30 (86)	35 (95)	40 (104)	45 (113)	50 (112)
0,85	1,03	1,02	1	0,93	0,86	0,8	0,72	0,6	0,52

REFERENCE CONDITIONS ②

- Ambient Temperature Working Range : +5 / +40˚C (41˚F / 104˚F)
- Minimum Air Inlet Pressure : 6,5 bar (g) (94,3 psi)
- Maximum Air Inlet Pressure : 11,5 bar (g) (181,3 psi)

Please Check Correction Factor

Compressed Air Inlet Quality: ISO 8573-1

1. Quality ——→ 1-1-2 or
1. Quality ——→ 1-1-4

- Electrical Power Supply : 110 / 230V, 50/60Hz

① WITH A TOLARANCE OF ±5% ② CHECK REFERENCE CONDITIONS ③ PLEASE CONTACT CUSTOMER SERVICE AND/OR REPRESENTATIVE FOR ADVICE

OUR COMPANY CAN OPTIONALLY INSTALL A NITROGEN LIQUEFYING UNIT TO THESE MODELS
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FOR BIGGER CAPACITIES AND MODELS, PLEASE CONTACT WITH OUR TEAM

NITROGEN GENERATOR MINI MODEL

Advanced System in Gas Separation
Nitrogen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

MINI MODEL NITROGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	N_2 Output Pressure (Barg) [2]	Power V/ph/Hz
NITROPAK 5	45	250x750x801	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 10	56	250x750x1200	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 15	90	250x750x1400	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 20	200	370x1000x1090	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 30	270	370x1000x1390	0.01	7,5	6	110 - 230 / 1 / 50 - 60

MINIMUM NITROGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

	N_2 Flow	(Nm^3/h)	Operating Pressure: Up to 11,5 bar (Standart: 7 bar)						
MODEL/PURITY	97%	98%	99% [1]	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%
NITROPAK 5	4.95	3.37	2.8	1.2	1.1	0.95	0.85	0.8	0.5
NITROPAK 10	7.3	4.98	4.41	3.6	2.8	2.32	1.42	1.26	1
NITROPAK 15	10.95	7.47	6.21	5.4	4.2	3.48	2.13	1.9	1.5
NITROPAK 20	14.6	9.96	8.28	7.2	5.6	4.64	2.84	2.52	2
NITROPAK 30	21.9	14.94	12.42	10.8	8.4	6.96	4.26	3.8	3

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MODULAR NITROGEN GENERATOR

Patented Products

Advanced System in Gas Separation
Nitrogen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

ADVANTAGES OF THE MODULAR NITROGEN GENERATOR

Produces high-purity nitrogen gas from compressed air (purity up to 99,999%).

Due to its modular design (international patents pending);

- Creates the most appropriate solution to any capacity of required nitrogen gas.
- Modular design offers you ideal and economical opportunities as nitrogen consumption increases.
- Simply adjust your NITROPAK system by varying the number of PSA modules by yourself, no other adjustment or additional component is required.
- Modular design: Decreases energy costs due to ideal capacity utilization, that provides real savings to you.
- If we express another way, the capacity value does not fall swiftly while purity value increases like in the twin tower design.
- PSA modules are made from eloxal coated aluminum fins and aluminum cast heads with electrostatic heat coatings; this coupled with their ease of assembly and disassembly, a resistant PLC screen and good valves, they can operate for long periods of time.
- Inlet pressure of pressured air: 7,5bar(g), Nitrogen outlet pressure: 6,5bar(g)
- Inlet pressure of pressured air: 10bar(g), Nitrogen outlet pressure: 8bar(g)
- Inlet pressure of pressured air: 11,5bar(g), Nitrogen outlet pressure: 10,5 bar(g)
- Modular design offers you a compact construction; Ideal for container solutions with this size constancy.
- The spare parts are the same in the all models where identical components are used for the entire model range. This means, limited spare part management, easy maintenance and services.
- Same desiccant material and bead diameter use for all models.
- Modular NITROPAK is limited with a total of 8 pairs of modules. It possible to operate a total of 3 Modular NITROPAK systems with 8 module pairs with the same PLC and Nitrogen Analyzer.

WHAT IS PSA TECHNOLOGY?

Nitrogen generators consist of colons full of CMS (Carbon Molecular Sieve) Material. Under pressure, these colons hold all the materials except Argon noble gas in the air. During pressure application, Oxygen, CO_2 and water molecules attach to molecular sieve material. This process is known as pressure swing adsorption (PSA).

STANDARD EQUIPMENT

- Water separator for inlet of pressurized air, 1 unit
- Water discharge system with zero air loss, 1 unit (Zeromat)
- Line filters to for feeding pressure air, 2 units (0,5 and 0,01 PPM)
- Output filter, 0.01 PPM, 1 pcs
- Pneumatic valves
- PLC control system with fully automatic operations
- Pressure switch for automated Idle-Mode
- Sensor for inlet of feed compressed air quality
- Exhaust mufflers
- Regulator for nitrogen pressure

FIELDS OF APPLICATION

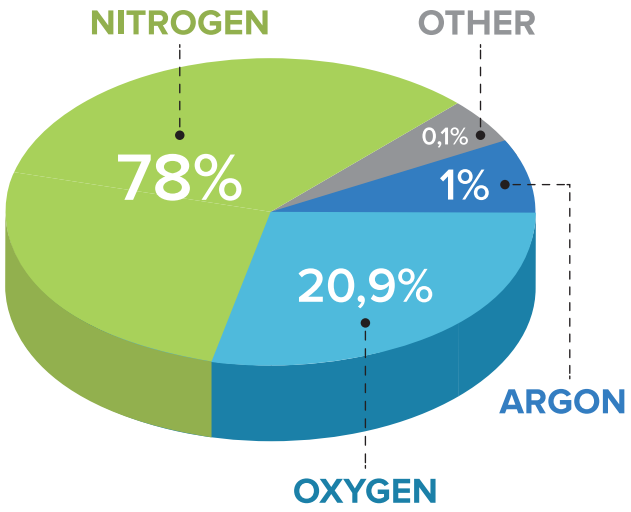
- Nitrogen gas is used in a variety of industrial applications.
- It is stored or produced on-site to supress other unwanted gases such as Oxygen in various processes.

FOOD, MEDICINE, PACKAGING, AVIATION, AUTOMOTIVES, LASER CUTTING, ELECTRONICS, PETROCHEMICALS, PLASTIC INJECTIONS, COOLING, CHEMICAL, COATING, COSMETICS industries are the main sectors.

LCD TOUCH DISPLAY CONTROL PANEL PROPERTIES

- Total work time display
- Automatic or manual operation
- Measurement of gas purity constantly or instantly (Optional 30 days purity memory)
- Adjustable time settings
- Language (Turkish-English)
- One touch technical service contact details
- Optional alarm with sound or light on demand
- Automatic stop control when outlet pressure increases

DRY AIR COMPOSITION



MODULAR NITROGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	N_2 Output Pressure (Barg) [2]	Power V/ph/Hz
NITROPAK 102	306	480x725x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 104	457	480x950x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 106	609	480x1175x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 108	760	480x1400x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 110	912	480x1625x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 112	1063	480x1850x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 114	1214	480x2075x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60
NITROPAK 116	1365	480x2300x1740	0.01	7,5	6	110 - 230 / 1 / 50 - 60

MINIMUM NITROGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

	N_2 Flow	(Nm^3/h)	Operating Pressure: Up to 11,5 bar (Standart: 7 bar)						
MODEL/PURITY	97%	98%	99%	99.5% [1]	99.9%	99.95%	99.99%	99.995%	99.999%
NITROPAK 102	31.2	27	20.7	17	12	9.9	6	5.1	3.9
NITROPAK 104	62.4	54	41.4	34	24	19.8	12	10.2	7.8
NITROPAK 106	93.6	81	62.1	51	36	29.7	18	15.3	11.7
NITROPAK 108	124.8	108	82.8	68	48	39.6	24	20.4	15.6
NITROPAK 110	156	135	103.5	85	60	49.5	30	25.5	19.5
NITROPAK 112	187.2	162	124.2	102	72	59.4	36	30.6	23.4
NITROPAK 114	218.4	189	144.9	119	84	69.3	42	35.7	27.3
NITROPAK 116	249.6	216	165.6	136	96	79.2	48	40.8	31.2

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

CORRECTION FACTORS

PRESSURE INLET BAR (psi) FOR 7,5 BAR (g) INLET

COMPRESSED AIR INLET PRESSURE	6,5 (94,3)	7,5 (108,8)	8,5 (123,3)	9,5 (137,8)	10,5 (152,3)	11,5 (181,3)
PERFORMANCE PERCENTAGE	0,84	1	1,08	1,16	1,25	1,3

COMPRESSED AIR INLET TEMPERATURE IN °C (°F)

5 (41)	10 (50)	15 (59)	20 (68)	25 (77)	30 (86)	35 (95)	40 (104)	45 (113)	50 (112)
0,85	1,03	1,02	1	0,93	0,86	0,8	0,72	0,6	0,52

REFERENCE CONDITIONS ②

- Ambient Temperature Working Range : +5 / +40˚C (41˚F / 104˚F)
- Minimum Air Inlet Pressure : 6,5 bar (g) (94,3 psi)
- Maximum Air Inlet Pressure : 11,5 bar (g) (181,3 psi)

Please Check Correction Factor

Compressed Air Inlet Quality: ISO 8573-1

1. Quality ——→ 1-1-2 or
1. Quality ——→ 1-1-4

- Electrical Power Supply : 110 / 230V, 50/60Hz

① WITH A TOLARANCE OF ±5% ② CHECK REFERENCE CONDITIONS ③ PLEASE CONTACT CUSTOMER SERVICE AND/OR REPRESENTATIVE FOR ADVICE

OUR COMPANY CAN OPTIONALLY INSTALL A NITROGEN LIQUEFYING UNIT TO THESE MODELS
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FOR BIGGER CAPACITIES AND MODELS, PLEASE CONTACT WITH OUR TEAM

OXYGEN GENERATOR TWINTOWER MODEL

Advanced System in Gas Separation
Oxygen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

ADVANTAGES OF THE OXYGEN GENERATOR

- AAG oxygen generators produce high purity air from compressed air. It provides a continuous supply of with competitive prices compared to alternative sources.
- AAG oxygen generators are designed to amortize your investment rapidly by saving on oxygen consumption in big quantities.
- OKSIPAK can also be connected to an external storage unit to store and cease production/consumption when in need.

STANDARD EQUIPMENT

- Food pack filter kit
- Medical kit
- Remote GSM control
- PC Access with ethernet connection
- 650W UPS uninterruptable power supply

OPTIONAL EQUIPMENT

- Dew-point analyzer
- Oxygen analyzer
- Electronic flow meter
- Output sterile bacterium filter
- Pressure and temperature transmitter for air feed

REFERENCE CONDITIONS [2]

Compr. Air Effective Inlet Pressure	: 7,5 bar (g) / 108 psi (g)
Oxygen Outlet Pressure	: 5 bar (g) / 72 psi (g)
Ambient Air Temperature	: 20°C / 68°F
Pressure Dewpoint Inlet Air	: 3°C / 37°F
Pressure Dewpoint Oxygen	: -50°C / -58°F
Unit Inlet Air Quality	: ISO 8573-1 : 2010
Oxygen Quality	: ISO 8573-1 : 2010

OPERATING LIMITS

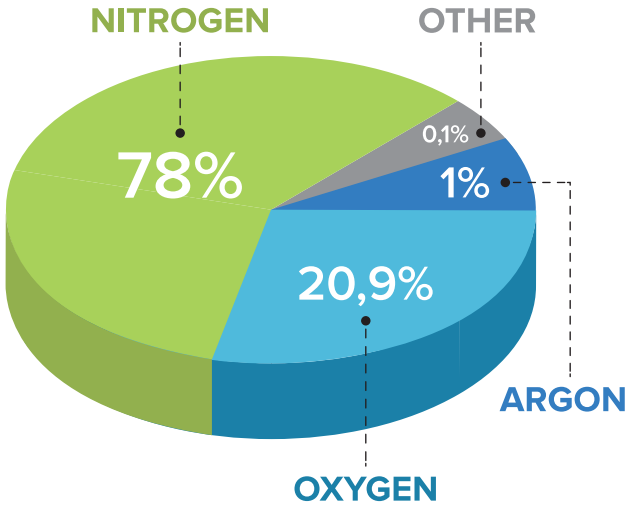
Min. Ambient Temperature	: 5°C / 41°F
Max.Ambient Temperature	: 45°C / 113°F
Max. Compressed Inlet Air Pres.	: 20°C / 68°F

[1] WITH A TOLARANCE OF ±5% [2] CHECK REFERENCE CONDITIONS [3] PLEASE CONTACT CUSTOMER SERVICE AND/OR REPRESENTATIVE FOR ADVICE

LCD TOUCH DISPLAY CONTROL PANEL PROPERTIES

- Total work time display
- Automatic or manual operation
- Measurement of gas purity constantly or instantly (Optional 30 days purity memory)
- Adjustable time settings
- Language (Turkish-English)
- One touch technical service contact details
- Optional alarm with sound or light on demand
- Automatic stop control when outlet pressure increases

DRY AIR COMPOSITION



FIELDS OF APPLICATION

- Oxygen gas is used in a variety of industrial applications.

HOSPITALS, LABORATORIES, OXYFUEL TECHNOLOGY, WELDING, BRAZING AND STEEL CUTTING, FISH FARMING, OZONE, WASTE WATER TREATMENT industries are the main sectors.

TWINTOWER MODEL OXYGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	O_2 Output Pressure (Barg)	Power V/ph/Hz
OKSİPAK 208	700	750x750x2500	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 216	950	800x1060x2500	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 224	1350	900x1270x2500	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 232	2100	1000x2000x2500	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 240	3400	1000x2000x3400	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 248	3500	1000x2000x3400	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 256	3500	1000x2000x3400	0.01	7,5	5	110 - 230 / 1 / 50 - 60

MINIMUM OXYGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

Pin = 7,5 (BARg)	O_2 Flow (Nm^3/h)	Compr. Air Consumption (Nm^3/h)
MODEL / PURITY	95 %	95 %
OKSİPAK 208	26.33	263.3
OKSİPAK 216	52.66	526.6
OKSİPAK 224	78.99	789.9
OKSİPAK 232	105.32	1053.2
OKSİPAK 240	131.65	1316.5
OKSİPAK 248	157.98	1579.8
OKSİPAK 256	184.31	1843.1

OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.

OXYGEN GENERATOR
MINI MODEL

Advanced System in Gas Separation
Oxygen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

MINI MODEL OXYGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	O_2 Output Pressure (Barg)	Power V/ph/Hz
OKSİPAK 5	100	250x850x1120	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 10	160	300x850x1620	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 15	200	400x955x1270	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 20S	240	400x955x1670	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 20M	280	400x955x1930	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 20L	300	400x955x2000	0.01	7,5	5	110 - 230 / 1 / 50 - 60

MINIMUM OXYGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

Pin = 7,5 (BARg)	O_2 Flow (Nm^3/h)	Compr. Air Consumption (Nm^3/h)
MODEL / PURITY	95 %	95 %
OKSİPAK 5	1.42	14.2
OKSİPAK 10	2.84	28.4
OKSİPAK 15	4.26	42.6
OKSİPAK 20S	5.68	56.8
OKSİPAK 20M	7.1	71
OKSİPAK 20L	8.52	85.2

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MODULAR OXYGEN GENERATOR

Patented Products

Advanced System in Gas Separation
Oxygen Production Unit

WARRANTY

7/24
HOT LINE
+90 530 280 90 36

ADVANTAGES OF THE AAG OXYGEN GENERATOR

Produces high-purity oxygen gas from compressed air (purity up to 93±3%).

Due to its modular design (international patents pending);

- Creates the most appropriate solution to any capacity of required oxygen gas.
- Modular design offers you ideal and economical opportunities as oxygen consumption increases.
- Simply adjust your OKSIPAK system by varying the number of PSA modules by yourself, no other adjustment or additional component is required.
- Modular design: Decreases energy costs due to ideal capacity utilization, which provides real savings to you.
- If we express another way, the capacity value does not fall swiftly while purity value increases like in the twin tower design.
- PSA modules are made from eloxal coated aluminum fins and aluminum cast heads with electrostatic heat coatings; this coupled with their ease of assembly and disassembly, a resistant PLC screen and good valves, they can operate for long periods of time.
- Inlet pressure of pressured air: 7,5bar(g), Nitrogen outlet pressure: 6,5bar(g)
- Inlet pressure of pressured air: 10bar(g), Nitrogen outlet pressure: 8bar(g)
- Inlet pressure of pressured air: 11,5bar(g), Nitrogen outlet pressure: 10,5 bar(g)
- Modular design offers you a compact construction; Ideal for container solutions with this size constancy.
- The spare parts are the same in the all models where identical components are used for the entire model range. This means, limited spare part management, easy maintenance and services.
- Same desiccant material and bead diameter use for all models.
- Modular OKSIPAK is limited with a total of 8 pairs of modules. It possible to operate a total of 3 Modular OKSIPAK systems with 8 module pairs with the same PLC and Oxygen Analyzer.

WHAT IS PSA TECHNOLOGY?

Oxygen generators consist of colons full of CMS (Carbon Molecular Sieve) Material. Under pressure, these colons hold all the materials except Oxgyen and Argon noble gas in the air. During pressure application, Nitrogen, CO_2 and water molecules attach to molecular sieve material. This process is known as pressure swing adsorption (PSA).

FIELDS OF APPLICATION

- Oxygen gas is used in a variety of industrial applications.

HOSPITALS, LABORATORIES, OXYFUEL TECHNOLOGY, WELDING, BRAZING AND STEEL CUTTING, FISH FARMING, OZONE, WASTE WATER TREATMENT industries are the main sectors.

STANDARD EQUIPMENT

- Food pack filter kit
- Medical kit
- Remote GSM control
- PC Access with ethernet connection
- 650W UPS uninterruptable power supply

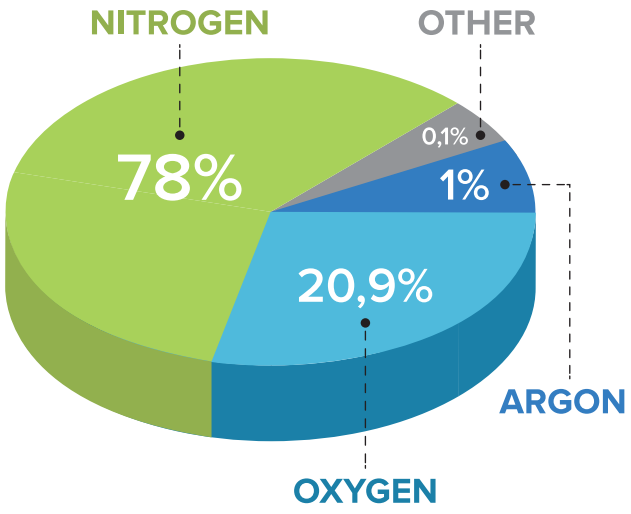
OPTIONAL EQUIPMENT

- Dew-point analyzer
- Oxygen analyzer
- Electronic flow meter
- Output sterile bacterium filter
- Pressure and temperature transmitter for air feed

LCD TOUCH DISPLAY CONTROL PANEL PROPERTIES

- Total work time display
- Automatic or manual operation
- Measurement of gas purity constantly or instantly (Optional 30 days purity memory)
- Adjustable time settings
- Language (Turkish-English)
- One touch technical service contact details
- Optional alarm with sound or light on demand
- Automatic stop control when outlet pressure increases

DRY AIR COMPOSITION



MODULAR OXYGEN GENERATORS TECHNICAL DATA

Model	Weight (Kg)	Dimensions L x D x H (mm)	Content (µm)	Inlet Air Pressure (Barg)	O_2 Output Pressure (Barg)	Power V/ph/Hz
OKSİPAK 102	306	480x725x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 104	457	480x950x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 106	609	480x1175x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 108	760	480x1400x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 110	912	480x1625x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 112	1063	480x1850x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 114	1214	480x2075x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60
OKSİPAK 116	1365	480x2300x1740	0.01	7,5	5	110 - 230 / 1 / 50 - 60

MINIMUM OXYGEN OUTPUT FLOW WITH COMPRESSED AIR INLET PRESSURE OF 7,5 BAR (g)

Pin = 7,5 (BARg)	O_2 Flow (Nm^3/h)	Compr. Air Consumption (Nm^3/h)
MODEL / PURITY	95 %	95 %
OKSİPAK 102	7.8	78
OKSİPAK 104	15.6	156
OKSİPAK 106	23.4	234
OKSİPAK 108	31.2	312
OKSİPAK 110	39	390
OKSİPAK 112	46.8	468
OKSİPAK 114	54.6	546
OKSİPAK 116	62.4	624

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REFERENCE CONDITIONS 2

- Oxygen Output Pressure : 5 bar (g) / 87 psi (g)
- Oxygen Dewpoint : -60°C

Oxygen Purity 93±3% With Change In Operating.
(All Generators)

- Unit Inlet Air Quality : ISO 8573-1 : 2010
- Oxygen Quality : ISO 8573-1 : 2010

1 WITH A TOLARANCE OF ±5% 2 CHECK REFERENCE CONDITIONS 3 PLEASE CONTACT CUSTOMER SERVICE AND/OR REPRESENTATIVE FOR ADVICE

FOR OTHER REFERENCES PLEASE CONTACT OUR SALES TEAM
OUR COMPANY MAY CHANGE THE VALUES IN THE CATALOGUE ACCORDING TO THE RESEARCH AND DEVELOPMENT STUDIES.
FOR BIGGER CAPACITIES AND MODELS, PLEASE CONTACT WITH OUR TEAM

NOTES

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