

AAG[®]



AIR & GAS FILTRATION, SEPARATION SOLUTIONS



**NITROBOX & AIRBOX
GAS PRODUCTION SYSTEMS**

WHY CHOOSE AAG TECHNOLOGY!

- ▶ AAG MAKINA PRODUCING THE LATEST TECHNOLOGY FROM 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



WHY CHOOSE NITROBOX/AIRBOX GAS PRODUCTION SYSTEMS

STANDARD SYSTEM
PLACEMENT SCHEME

20m²

NITROBOX / AIRBOX
PLACEMENT SCHEME

4.84m²

SAVING
75% SPACE

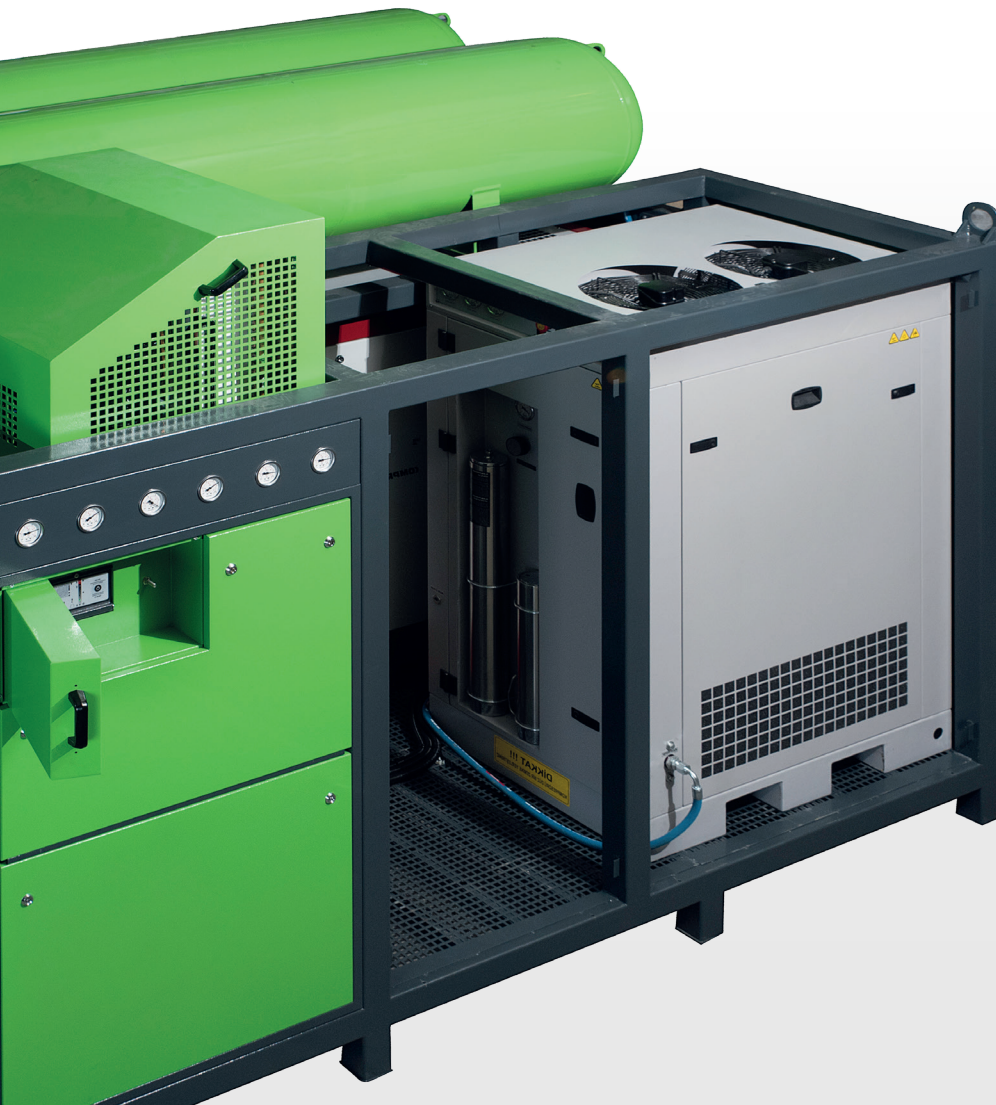
NITROBOX / AIRBOX GAS PRODUCTION SOLUTION



AAG MAKINA has produced new generation **NITROBOX / AIRBOX** nitrogen and dry air production cubes in compact structure with compatible equipment.

Unlike traditional production systems, it is the first in the world. Min base area required for the system would normally be **15m²** to **30m²**, this is decreased to **4,84m²** to **9,2m²** thereby saving **75%** space.

NITROBOX / AIRBOX GAS MANUFACTURING WORK LIFE IS **10** YEARS.



► Producing Nitrogen with **99,999%** purity and 0,001% Oxygen (10ppm)

**SINGLE PERIODIC
MAINTENANCE TIME**

**4000
HOURS**

CONTROL WITH ONE PLC

**ECONOMICAL 1,1 - 1,3 kW/Nm³
SAVING 75% SPACE**

**EASILY
PRODUCE
YOUR OWN
NITROGEN**

- ▶ Control with one PLC
- ▶ Single periodic maintenance time



NITROBOX

2200/4200/6200/8200

N₂



MODEL	DESCRIPTION		SPACE	W / L / H
NITROBOX 2200	2 MANIFOLDS/DAY 200 BAR	10Nm ³ /h	4,8 m ²	2200x2200x2500
NITROBOX 4200	4 MANIFOLDS/DAY 200 BAR	20Nm ³ /h	5,5 m ²	2200x2500x2500
NITROBOX 6200	6 MANIFOLDS/DAY 200 BAR	30Nm ³ /h	7 m ²	2200x3200x2700
NITROBOX 8200	8 MANIFOLDS/DAY 200 BAR	40Nm ³ /h	9,2 m ²	2200x4200x2700

NITROBOX H

3200/6200/9200/12.200

N₂



MODEL	DESCRIPTION	SPACE	W / L / H
NITROBOX H 3200	3 MANIFOLDS/DAY 200 BAR 15Nm ³ /h	4,5 m ²	1800x2500x2500
NITROBOX H 6200	6 MANIFOLDS/DAY 200 BAR 30Nm ³ /h	5,5 m ²	2000x2750x2500
NITROBOX H 9200	9 MANIFOLDS/DAY 200 BAR 45Nm ³ /h	6 m ²	2000x3000x2500
NITROBOX H 12.200	12 MANIFOLDS/DAY 200 BAR 60Nm ³ /h	6,5 m ²	2000x3250x2500

NITROBOX

240/440/640/840

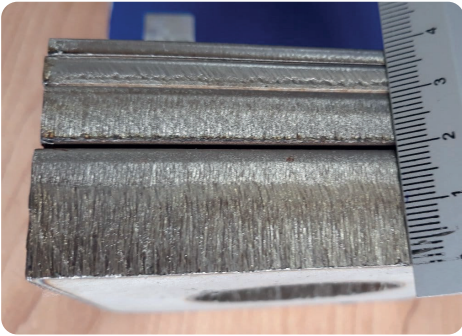
N₂



MODEL	DESCRIPTION	SPACE	W / L / H
NITROBOX 240	2 MANIFOLDS/DAY 40 BAR 10Nm ³ /h	4,8 m ²	2200x2200x2500
NITROBOX 440	4 MANIFOLDS/DAY 40 BAR 20Nm ³ /h	5,5 m ²	2200x2500x2500
NITROBOX 640	6 MANIFOLDS/DAY 40 BAR 30Nm ³ /h	7 m ²	2200x3200x2500
NITROBOX 840	8 MANIFOLDS/DAY 40 BAR 40Nm ³ /h	9,2 m ²	2200x4200x2500

NITROBOX

SAMPLE CUTS MADE WITH NITROBOX GAS GENERATION SYSTEMS



Purity : %99,999
Laser Power : 6 kW
Material : 20mm Stainless



Purity : %99,999
Laser Power : 6 kW
Material : 20mm Stainless



Purity : %99,999
Laser Power : 4 kW
Material : 6mm Steel



Purity : %99,999
Laser Power : 4 kW
Material : 6mm Steel



Purity : %99,999
Laser Power : 4 kW
Material : 6mm Steel



Purity : %99,999
Laser Power : 4 kW
Material : 6mm Stainless

AIRBOX

DRY AIR PRODUCTION SYSTEMS FOR LASER CUTTING MACHINES

- ▶ 1 manifold of Dry air is 120Nm³
- ▶ Pressure Dew-point is -70°C
- ▶ All items can be controlled from one PLC
- ▶ All items periodic maintenance time is 4000 hours and all maintenance can be done at the same time.



AIRBOX

1440/1440L



MODEL	DESCRIPTION	SPACE	W / L / H
AIRBOX 1440	14 MANIFOLDS/DAY 40 BAR 70Nm ³ /h	4,8 m ²	2200x2200x2500
AIRBOX 1440 L	21 MANIFOLDS/DAY 40 BAR 105Nm ³ /h	5,7 m ²	2200x2600x2700

THICKNESS OF MATERIALS CUT WITH 40 BAR (G) DRY AIR SYSTEM:

Black Steel: 0,5 - 10 mm / Aluminum: 0,5 - 20 mm / Stainless Steel: 0,5 - 5 mm

REFERENCE LASER CUTTING MANUFACTURERS



REFERENCES



AAG[®]
BASINÇLI HAVA SİSTEMLERİ SAN.ve TİC.LTD.ŞTİ



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