

29⁺
YEARS
OF
EXCELLENCE



MAP

Inhouse Nitrogen Generators



N₂ Flow 15 lpm &
30 lpm



N₂ Purity 99% +



24 X 7 Food Grade
Nitrogen Gas

Modified Atmosphere Packaging (MAP)

Over the past three decades, a safe, tested and proven method of combating food spoilage mechanisms without undesirable preservatives is “Modified Atmosphere Packaging” with the help of Nitrogen, an inert gas. Sometimes, also referred to as “MAP” or “Gas Flushing”.

Summits Expertise in Food Beverages and packaging

With over 29+ years of experience in PSA and Gas Separation technology, Summits has designed and crafted MAP- In-house Nitrogen Gas Generators to meet food-grade nitrogen requirements. MAP has complete pre-treatment products, ensuring no moisture, oil and particles at the end point and monitoring facilities to ensure the system meets it's desired standard, delivering Food Grade Nitrogen round the clock. MAP occupies minimal space and can be kept next to your packing machine in the shop floor. MAP is safe to operate and does not require a skilled operator. MAP offers the fastest ROI over the use of outsourced Nitrogen Gas Cylinders.

Why MAP?



Preserves food aroma,
texture, nutrition
values and crispness



Prevents bacterial
growth inside the
package



Extends shelf life



Quick ROI, 3 to 6
months

N₂ Cylinder risk factors

- No safety as N₂ is stored at high pressure 150bar and above
- Needs skilled manpower for operation
- Recurring expenses every day
- Increased CO₂ emissions



MAP Application



Potato chips and extruded snacks



Corn Chips



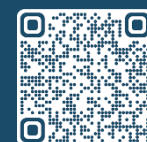
Coffee Beans



Bakery Products



Ghee



Scan QR Code for E-Catalogue



Advantages of MAP

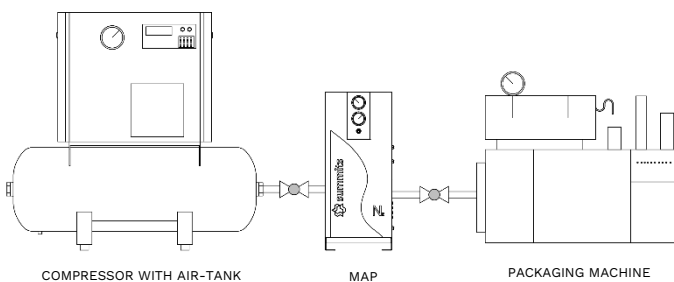
- Economy in CAPEX and OPEX
- Fully automatic
- Less footprint
- Auto shut-off while not in use
- Consistency in purity 99% to 99.5%
- Fastest ROI, 3 to 6 months

MAP Variants

	MAP V1	MAP V2
N ₂ Flow	15lpm	30 lpm
Equivalent No of N ₂ Cylinders*	3	6
Production rate	50g x 50 packets per minute	50g x 100 packets per minute
Inlet Air Pressure	7 bar	
Compressor power	2HP	3HP
Outlet N ₂ Pressure	5 bar	
N ₂ Purity	99 to 99.5 %	
Power Supply	230V 50 Hz	
Dimension (mm)	650 (w) x 790 (h)	650 (w) x 790 (h)

* equivalent to no of 'D' type cylinder per 24 hrs

Typical installation



COMPRESSOR WITH AIR-TANK

MAP

PACKAGING MACHINE



Summits Hygronics Private Limited

S.F. 192 Earithottam, Kannampalayam,
Coimbatore - 641 402.



+91 90878 76108



connect@summitsgroup.in



www.airdryer.in

Follow us

