



HWN60H

Passenger nitrogen generator (50L internal tank)



Model: HWN60H

Product: Passenger Nitrogen Generator

Description: The HWN60H is a fully automatic, intelligent digital nitrogen tyre inflator designed for cars and light vans. Utilizing advanced Pressure Swing Adsorption (PSA) technology with a high-performance Carbon Molecular Sieve (CMS), it extracts high-purity nitrogen (95% –99.5%) directly from compressed air efficiently and cost-effectively. Featuring an interactive LCD digital touch interface, an integrated 50L internal storage tank, and flexible operation modes—including automatic tyre purging and conversion—this machine delivers precise inflation pressure while eliminating oxygen and moisture to extend tyre life and improve wheel safety.

Features:	Benefits:
Advanced PSA & CMS Technology	Produces high-purity nitrogen 95% - 99.5% with extremely low dew points without requiring expensive bottled gas suppliers.
Fully Automatic Digital Touch Display	Intuitive LCD panel simplifies setup and provides real-time digital monitoring of tank pressure, tyre pressure, and inflation status.
High Precision Pressure Measurement	Delivers precise inflation within 5 / 145 psi 0.3 / 10 Bar at an accuracy rate of 1 psi / 0.07 Bar
Integrated 50L Internal Tank	Stores ample nitrogen volume to allow rapid, continuous tyre inflation during high-volume shop hours.
Tyre Purge & N2/Air Conversion Mode	Automatically flushes out residual air/moisture before refilling with pure nitrogen to maximize overall purity
Selectable Units & Fast Selection Menu	Effortlessly switch between Bar and PSI with rapid pressure preset options for quick shop turnaround
Heavy-Duty Air Filter Assembly	Removes water droplets and oil contamination from incoming compressed air to protect internal valves and molecular sieves.
Built-in Nitrogen Test / Calibration Port	Dedicated testing point allows quick verification of output nitrogen purity and pressure calibration directly at the cabinet
	Extended Tyre & Rim Life: Eliminates oxygen and moisture inside the tyre, preventing internal oxidation, rim corrosion, and rubber degradation.
	Stable Tyre Pressure: Nitrogen molecules seep through tyre rubber significantly slower than oxygen, maintaining optimal tyre pressure longer and improving fuel economy.

	Automated Workflow: Auto-start inflation and automatic purge/fill cycles allow technicians to set target pressure and perform other workshop duties while the machine completes the cycle
Training available	Technicians can be professionally trained to use the machine and get the maximum benefit from it.
1 year warranty	The machine will be repaired if there are any factory faults and can be replaced if required.
Spares available	Should you have a breakdown you will not have to wait for your equipment to be repaired. If there is anything we don't have, we fly it in directly from the Suppliers.

Technical Information	
Vehicle applicable	Passenger
Power supply	AC220V 50Hz/60HZ
Power consumption	30W
Nitrogen purity	95 - 99.5%
Input pressure	≤10Bar/1MPa
Output pressure	< 8Bar/0.8MPa
Working temperature	-20°C - +70°C
Measurement range	5 - 145psi /0.3 - 10Bar
Precision	±1 Psi /0.07 Bar
Display mode	LCD display
Tank size	50L



Increased
tyre life



Reduce
fuel costs



Improved
handling



Lower CO²
emissions

