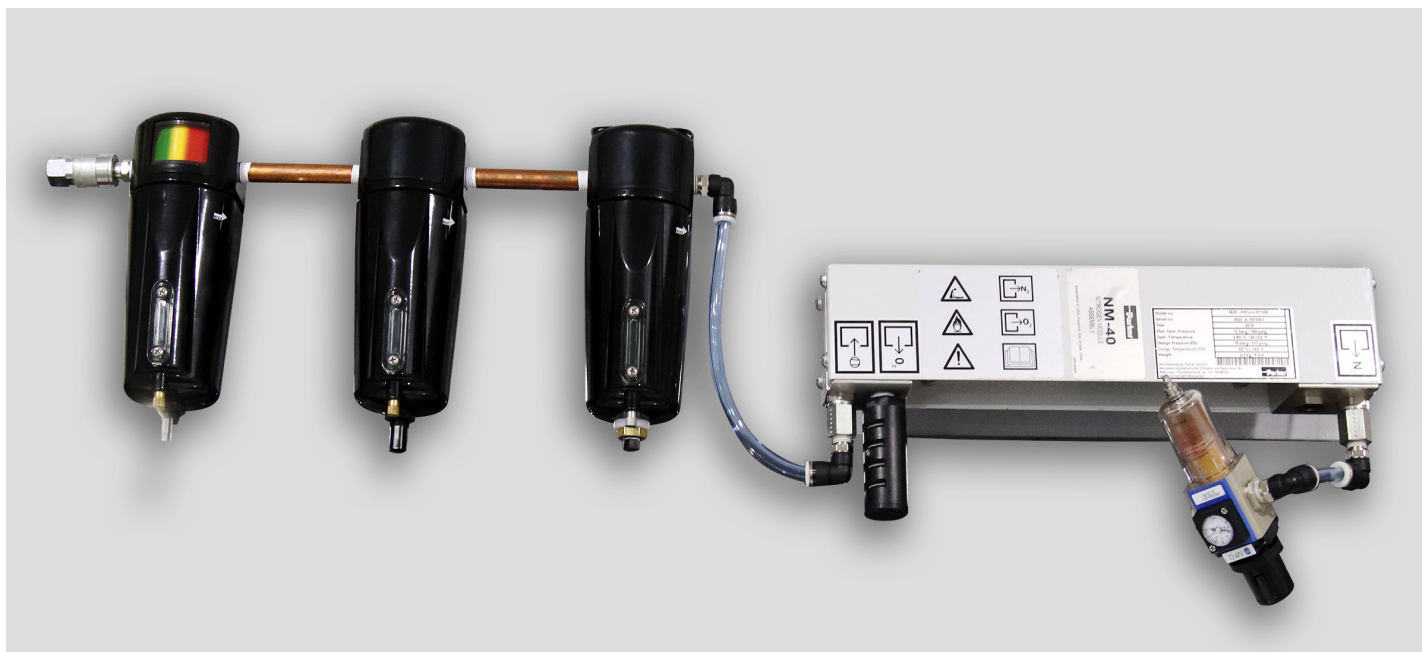


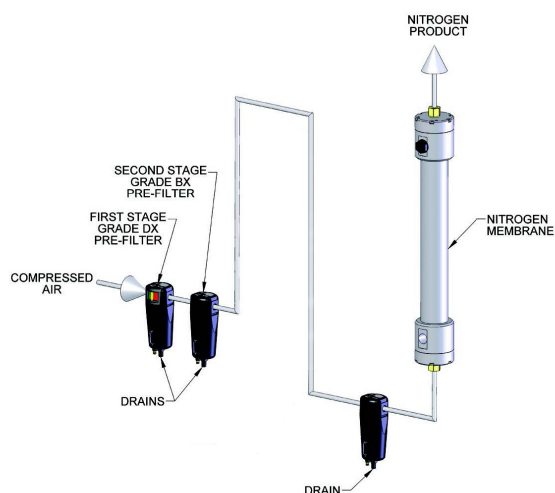
# Nitrogen Generator and Sterile Air Kit



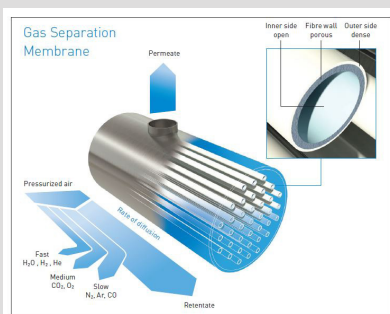
Supply reliable, efficient and economical nitrogen, on-demand.

Take control of the nitrogen utility and no longer deal with tanks and bottles.

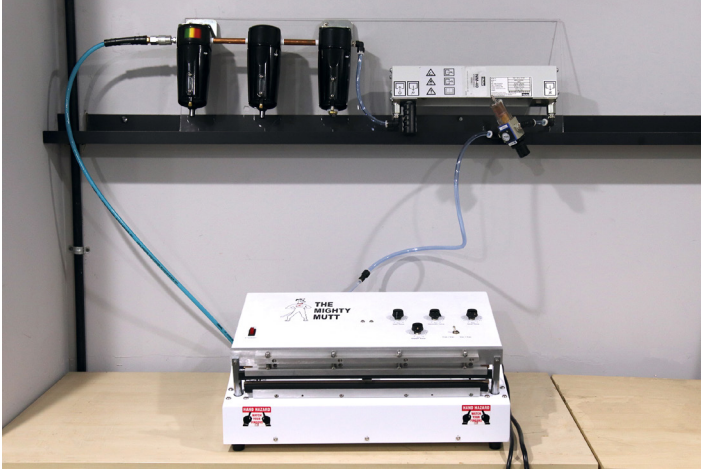
Integrate into your existing equipment or provide as an independent system.



The membrane is unique because it is the most permeable in the world and is also one of the most robust. This results in a low cost of ownership, long membrane life, small size, temperature stability, and system that is highly cost effective.



# Nitrogen Generator Specifications



The Nitrogen Generator and Sterile Air Kit (SAK) being used with an IMPAK Mighty Mutt Vacuum Sealer.



IMPAK's Sterile Air Kit (SAK)



First Stage Grade DX Pre-Filter (Part Number: 8002N-1A1-DX)



Nitrogen Generator (Part Number: RM11042)

## OEM Nitrogen Module Specifications

Part Number	RM11042
Modules Dims (inch)	15.2 x 3.2 x 2.5
Modules Dims (cm)	38.7 x 8.0 x 6.3
Dims w/ fittings (inch)	15.3 x 5 x 2.5
Dims w/ fittings (cm)	38.86 x 12.7 x 6.35
Weight (lbs/kg)	5/2.27
Connection Size (NPT)	1/4"

## OEM Membrane Module Performance for RM11042

Minimum Flow Rate in SCFH/Nm <sup>3</sup> /hr for Nitrogen Purities @ 100 psi/6.9 barg, 70°F/21°					
99.5%	99%	98%	97%	96%	95%
--	10/0.3	18/0.5	25/0.7	32/0.9	40/1.1

## Recommended Pre-Filtration to Achieve Sterile Air & Insure Longevity

Nitrogen Generator	RM11042
1st Stage	8002N-1A1-DX
2nd Stage	8002N-0A1-BX
Hydrocarbon Filter	7825-06-000
4th Stage	--

## Operating Conditions

Min/Max Operating Pressure	60 psig - 190 psig (6)
Ambient Temperature Range	36°F - 122°F / 2°C - 50°C
Compressed Air Temperature Range	36°F - 122°F / 2°C - 50°C (4)
Inlet Residual Oil Content	< 0.01 mg/m <sup>3</sup>
Inlet Particle Prefiltration	0.01 Micron
Relative Humidity of Compressed Air	<100% (Non-condensing)
Electrical Requirement	None
Housing	Aluminum

## Nitrogen Principal Specifications

Pressure Drop	< 4.5 psid (0.31 barg) (5)
Atmospheric Dewpoint Range	-20°F to -80°F (-29°C to -62°C)
Particles > 0.01 Micron	None with Prefiltration
Nitrogen Purity	95% to 99.5%

### Notes:

4 Inlet air temperature must be no more than 10°F above ambient temperature.

5 Module only.

6 Pressures to 500 psig (34 bar) available. Please consult factory

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