



Compressed Air & Gas Treatment On-Site Gas Generation Process Cooling

N² GEN2 i4.0 1110 to 12130
Parts Guide



GEN₂ i4.0 NITROGEN GENERATOR

N₂

GEN2 i4.0-1110 TO GEN2 i4.0-12130

Service Intervals for GEN₂ i4.0

Daily Checks

- Check the generator for any signs of external damage.
- If the red service indicator is active, the unit must be serviced to ensure continued operation.
- Remove any loose dust or dirt from the generator, clean all surfaces that appear to have attracted unwanted contaminants.
- Ensure the generator is operating within the specification
- Always check all connections for any leaks.
- Ensure all loose parts are removed or secured to the unit before operation.

Service Intervals

Service	Time Period (Months)				
	12	24	36	48	60
A	✓	✓	✓	✓	✓
B		✓		✓	
C				✓	
D					✓

Service A - Every 1 year (12 months)

- Ensure maintenance of pre-filtration package is done
- Replace buffer vessel filter element
- Replace external exhaust silencer/muffler element(s)
- Applicable to all models

Service B - Every 2 years (24 months)

- Replace all piston valve seals
- Applicable to all models

Service C - Every 4 years (48 months)

- Replace pilot valves & seals
- Replace pilot valves coils
- Replace O₂ sensor solenoid valve
- Applicable to all models

Service D - Every 5 years (60 months)

- Replace oxygen sensor(s)
- Applicable to all models



Service ‘A’ Details

Ensure maintenance of pre-filtration package is done

Pre-filtration package may vary from one installation to another. Consult filter housings name plate for model of filter housings and for replacement filter elements. For more information on filters, consult the NF or GFN filter parts guide.

Consult the dryer name plate for model of dryer and follow prescribed maintenance schedule for the dryer. Consult the proper parts guide.

(optional if fitted) Consult the carbon adsorber name plate for model of carbon adsorber. For more information on carbon adsorbers, consult the NVR or AKC parts guide.

Replace external buffer vessel filter element

External buffer filter may vary from one installation to another. Consult filter housing name plate for model of filter housing and of replacement filter element. For more information on filters, consult the NF or GFN filter parts guide.

Replace external exhaust silencer/muffler elements

Exhaust silencer kit GEN2 i4.0-1110 to 3110 87 to 174 psig models	A-NPT-110
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Exhaust silencer kit GEN2 i4.0-2130 to 12130 87 to 174 psig models	A-NPT-130
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Exhaust silencer kit GEN2 i4.0-1110 to 12130 87 to 232 psig models	A-NPT-130HP
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Service ‘B’ Details

Replace all piston valve seals

Piston valve seal kit includes:

- o’rings
- Seats
- o’ring gaskets

All models	C-PVSK-130
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Service ‘C’ Details

Replace O₂ sensor solenoid valve

O ₂ sensor solenoid valve kit*	B-SSVK-130
*two required with units equipped with PDES	

Replace pilot valves & seals and replace pilot valves coils

Complete pilot valve replacement kit includes:

- (5) control valves with coils
 - (5) sealing o’rings
 - (2) valve kits with 24 vDC coils
- D-CVK-130

Service ‘D’ Details

Replace oxygen sensor(s)

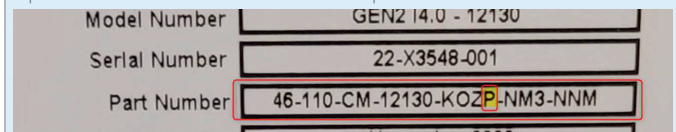
Replacement Zirconia % Cell*	31-100-1530
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Replacement Zirconia ppm % Cell*	31-100-1531
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*two required with units equipped with PDES

Identification info for O₂ sensor

To validate if you require a % or ppm Cell, you will need the GEN2 part number indicated on the nameplate:

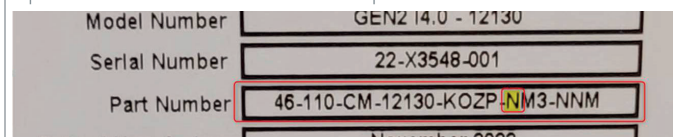


If the letter highlighted is a:

C, then it is %

P, then it is ppm

To validate the unit is equipped with PDES, you will need the GEN2 part number indicated on the nameplate:



If the letter highlighted is a:

N, then the PDES is not equipped

P, then the unit is equipped with PDES



GEN₂ i4.0 NITROGEN GENERATOR

GEN2 i4.0-1110 TO GEN2 i4.0-12130

N₂

Kit Details and Individual Parts

Exhaust Silencer Kits

A-NPT-110

A-NPT-130

A-NPT-130HP



Replacement Pilot & Control Valves

D-CVK-130



Replacement Zirconia Cell

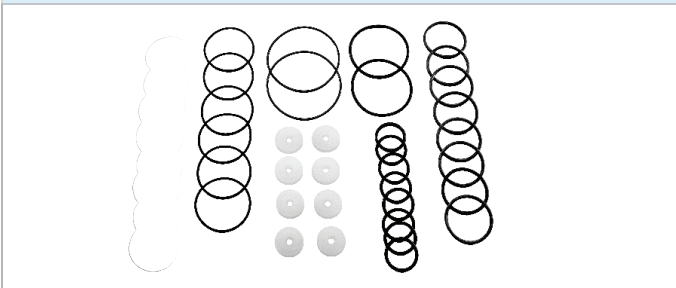
31-100-1530, for % application

31-100-1531, for ppm application



Replacement Piston Valve Seals

C-PVSK-130



Replacement O₂ Sensor Solenoid Valve

B-SSVK-130





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