

# RecoverIT

## Helium Recovery System



**“Don’t let your profit leak away, RecoverIT”**

Specialist in leak testing & leak detection since 1973

# nolek

- Leak Testing -

# Description of the product:

Companies that use large amounts of helium can save substantially by recovering up to 98% of their lost helium with a Helium Recovery System. Nolek builds unique standard helium recovery systems. These systems are designed for any type of application independent on size and capacity. An integrated filtering system and helium concentration monitor ensure reliable and consistent results of helium purity and concentration during charging.

## RecoverIT at a glance



- 1: HMI
- 2: Fan
- 3: Main switch
- 4: Light tower
- 5: Receiving storage tank
- 6: High pressure tanks
- 7: Compressor
- 8: Vacuum pump
- 9: Filters



**RecoverIT**



## What the product does

The recovery system collects helium from the test part, where it is first pumped into a low-pressure holding tank. The helium then flows through a compressor and is stored in a high-pressure supply tank, which enables the charging station to reuse helium in the subsequent part's testing. Dependent on the performed test type, it is possible to recover and reuse up to 98% of the helium.



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## Features

- a. Helium concentration monitoring device with auto fill-up feature
- b. Pressure sensor with analogue output
- c. Vacuum pump for maximum recovery.  
(Pressure left after recovery = vacuum level 50 mbar.)
- d. Valve system
- e. High pressure regulators
- f. 2 units of metal type Helium Reservoir
- g. Helium Recovery Rate: up to 98 %
- h. Helium filters
- i. User friendly
- j. Cost reducing
- k. Environmentally friendly
- l. HMI touch panel
- m. Emergency stop
- n. Light tower

## Applications

RecoverIT is normally used in conjunction with Noleks automated leak testing systems in industrial application areas, where helium is used to verify leak tightness of manufactured and assembled components. They can also be used with other leak testing systems and in other applications where helium can be recovered for reuse or recycling.

## TECHNICAL SPECIFICATION RECOVERIT

<b>Dimensions:</b>	L1600 mm x W1000 mm x H2000 mm
<b>Weight:</b>	1500 KG (3300 lbs)
<b>Helium recovery rate:</b>	up to 98% recovery
<b>Operating temperature:</b>	5-35 °C (41- 95°F)
<b>Supply voltage:</b>	400 volts, 3-phase, 50 hertz with Neutral
<b>Compressed air:</b>	6 bar (87psi)
<b>Control system:</b>	Siemens PLC S7-300
<b>Storage tank:</b>	2 reservoir tanks included, high pressure tank not included.
<b>Pressure interval:</b>	A) up to 25 bar (360psi) B) up to 220 bar (3200psi)
<b>Max distance to machines:</b>	Approx 10 m (33 feet).
<b>Compressor capacity:</b>	A) 250l /min B) 300l/min

### Dimensions



For more information please visit: [www.nolek.com](http://www.nolek.com)



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