

NPL

Purge and leak test station



Fig. 1. Photo of the NPL purge-leak station

BASIC INFORMATION:

NPL station enables performing nitrogen purge, fill up and leak test of night vision devices. These functionalities are needed during assembling, maintenance and repairing of night vision devices in order to keep the interior parts dry and clean. It can be used to clean and leak test one device at a time.

TASKS

1. Nitrogen and air extraction
2. Moisture removal and dry nitrogen cleaning
3. Nitrogen fill up
4. Leak testing

NPL specifications

Modules	NPL base block, PS12/3 external AC power supply, battery set, transport box
Type of vacuum pump	Electric with automatically adjustable vacuum pump shut-off
HIGH Pressure Gauge	Up to 2500 PSI
LOW Pressure Gauge	0 –15 PSI
Nitrogen type	MIL-P-2470 type I, class C
Pressure regulator	30PSI / 2ATM
Maximum allowable pressure drop	0.06 psi/min
Operating temperature	+5°C to +50°C
Power	1) Internal battery 2) 12VDC/1.2A 3) 230/110 VAC 50/60 Hz
Battery autonomy	≥ 20 hours at 20°C ambient temperature

*specifications are subject to change without prior notice

Version 1.1

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