

RECHARGEABLE AIR PUMP

Operation Instructions

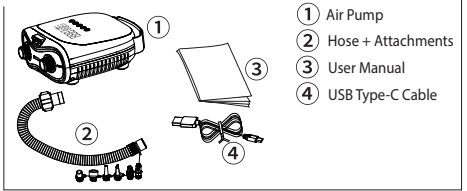


NORTHERN DIVER
OPENWATER SUITS & EQUIPMENT

Please read the operation instructions carefully before using this product. Please fully charge the battery once every 6 months to maintain the battery.

Thank you for your purchase.
Please read this manual carefully before using. It includes important product function and operational instructions.

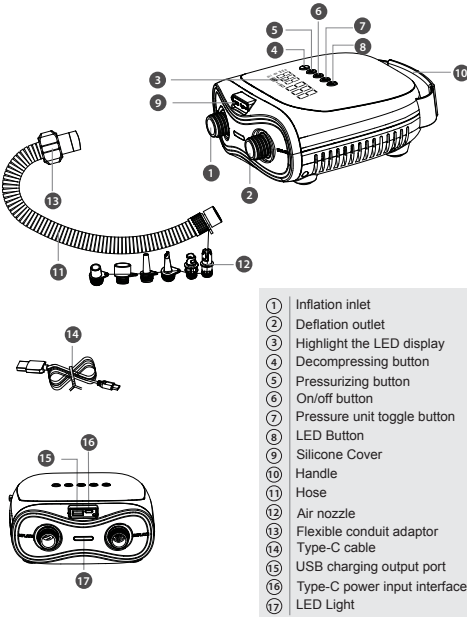
What's Included?



ATTENTION Read before using your air pump.

Children shall be kept far away from this product.
Do not expose this product to rain or immerse in water.
Before inflating, please pay attention to check the maximum pressure of the inflatable product to ensure you do not damage your inflatable.
Do not use this product in flammable or explosive environments.
Check if the wave hose is broken, and the switch, pressure screen is working prior to use.
Keep away from heat source, humidity, dust and direct sunlight
Do not throw this product into fire for fear of explosion, battery leakage or other dangers.
This product contains batteries that are non-replaceable.
The purpose of using this product is limited to the description in the instruction book.
Please use this product under ambient temperature of no more than 40 degrees.

Product Overview

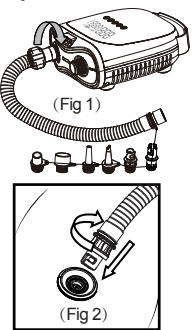


- 1 Inflation inlet
- 2 Deflation outlet
- 3 Highlight the LED display
- 4 Decompressing button
- 5 Pressurizing button
- 6 On/off button
- 7 Pressure unit toggle button
- 8 LED Button
- 9 Silicone Cover
- 10 Handle
- 11 Hose
- 12 Air nozzle
- 13 Flexible conduit adaptor
- 14 Type-C cable
- 15 USB charging output port
- 16 Type-C power input interface
- 17 LED Light

Technical Specification

Maximum Pressure	20PSI
Pressure Range	0-20PSI
Low-Pressure Airflow	Up to 300L/min
High-Pressure Airflow	Up to 70L/min
Low-Pressure Motor Power	110W
High-Pressure Motor Power	100w
Motor System	Dual Motor
Battery	Built-in 4000mAh lithium battery
Noise Level	≤85 dB
Charging Input	USB Type-C, 5V/2A or 9V/2A
Charging Time	Approx. 6 hours at 5V/2A; approx. 3 hours at 9V/2A
USB Output	5V/2A
Display	LED Display
Lighting	Integrated LED Light
Functions	Inflation & Deflation
Automatic Shut-Off	Yes - stops when selected PSI is reached
Product Dimensions	206*175*81mm (8.1*6.9*3.2")
Product Weight	1.57kg (3.5lbs)
Gross Weight	1.74kg (3.8lbs)
Charging Connection	USB Type-C
Material	ABS
Colour	Black and White
HS Code	8414809090
Certifications	CE-EMC, RoHS, REACH
Factory Standards	ISO9001 and BSCI

Operation



Inflation Operation

Connect the end with flexible conduit adaptor of the hose with the air pump inflation inlet and twist clockwise to tighten it. (Fig 1).
Install the other end of the hose into the supporting air tap of your inflatable (Fig 2), and twist clockwise to tighten. Then insert inflation valve of the inflatable and twist clockwise to fix it (Fig 2).
⊙ Press button for 3 seconds and display will light up. Short press button to start inflating. Press button for 3 seconds to stop pump.
⊕ Press button to select required pressure.
⊕ Pressurizing and ⊖ decompressing button will set the pressure value.

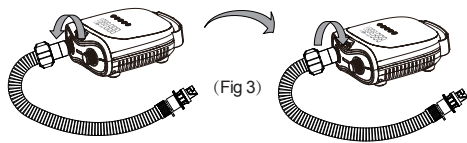
During inflation you can press these buttons to increase or reduce the pressure value.
⊕ Press this button to switch on the unit, and press ⊙ button to stop. Press and hold ⊙ for 3 seconds to directly start the high pressure pump.

Notice

Upon the completion of inflation, it will turn off automatically without other operations within 2 minutes.
When the pressure reaches the set value, the air pump will stop working automatically.
When not in use, please turn off the power switch & remove the hose from the inflatable and store it.
The factory pressure value of the air pump is (20PSI (1PSI=0.0689BAR=6.89KPA), and at the time of the secondary use, the set pressure value for the last time used will be displayed by default.

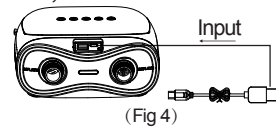
Deflation Operation

Remove the hose from the inflation inlet. Connect the end with flexible conduit adaptor of the hose with the air pump deflation outlet, and twist clockwise to tighten it (Fig 3), and conncted the other end to the inflatable.
In the standby status, press ⊙ to start deflation, until all air is discharged, and then press the ⊙ for 3 seconds to turn off the pump. When not in use, please remove the hose from the inflatable and store the pump and accessories



Charging

Use Type-C USB cable with this product. When charging, the " " will start flashing. In fast charging mode the " " will remain on. Charging voltage is 5V/2A or 9V/2A. Charging voltage is automatically identified (Fig 4).
Make sure the battery is fully discharged before the first charge. After the battery is discharged, the internal temperature may be too high. It is recommended to cool it down before charging it. Do not let the electric air pump be discharged for too long to properly maintain the battery.



Precautions

Do not block the inflation inlet and deflation outlet
When the pump no longer works, please dispose responsibly.
Don't use this product when the hose is damaged, please change the hose immediately.
Don't pull out the hose when inflating, if pump is used improperly, this may cause physical injury.
Don't use the pump continuously for 20 mins, the motor may overheat & cause internal damage. The air pump should be fully cooled for 30 mins.
Do not use the air pump if any part is damag, do not inflate with the inlet facing you and do not leave pump unattended whilst inflating.

Malfunction	Cause	Solution
The air pump will not start	1. Check if the battery is fully charged 2. Overheating or overload causes motor stop.	1. Charge it in time 2. Cool the motor and restart it 3. If the problem cannot be solved, please contact your supplier
Slow for abnormal inflation	1. Check if hose is blocked or cracked 2. Joint between hose and air pump or air bag is not installed properly	1. Change or unblock the hose, check whether it's cracked 2. Reinstall the hose 3. If problem cannot be solved, please contact your supplier
Hot	Temperature alarm	Heat dissipation is required
E5	Abnormal charging. The battery temperature is too high.	1. Heat dissipation is required 2. If the problem cannot be solved, please contact your supplier
E3	Shutdown protection without increasing air pressure	Check for air leaks
U-L	Low power alarm of power supply (voltage lower than 10.5V)	1. Power supply voltage is low 2. Power Supply is insufficient, line has limited current 3. Use power adapter overcurrent protection, requiring adapter 120W without current limit
LO/Hi E6	Motor overcurrent protection	Check motor for foreign matter stuck or restart airpump

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