

THE

# SeaLion

LITHIUM ION POWERED

**D I F F E R E N C E**



CATALOG 2020

**BROWNIE'S**  
THIRD LUNG





SEA LION BATTERY POWERED DIVING SYSTEM





**THE SEA LION IS THE ONLY 3 DIVER FLOATING  
BATTERY POWERED SYSTEM  
IN THE WORLD!**

**THE SYSTEM ALLOWS 4 DIVERS TO USE THE  
SYSTEMS UP TO 3 HOURS OF FUN.**



THE

# SeaLion

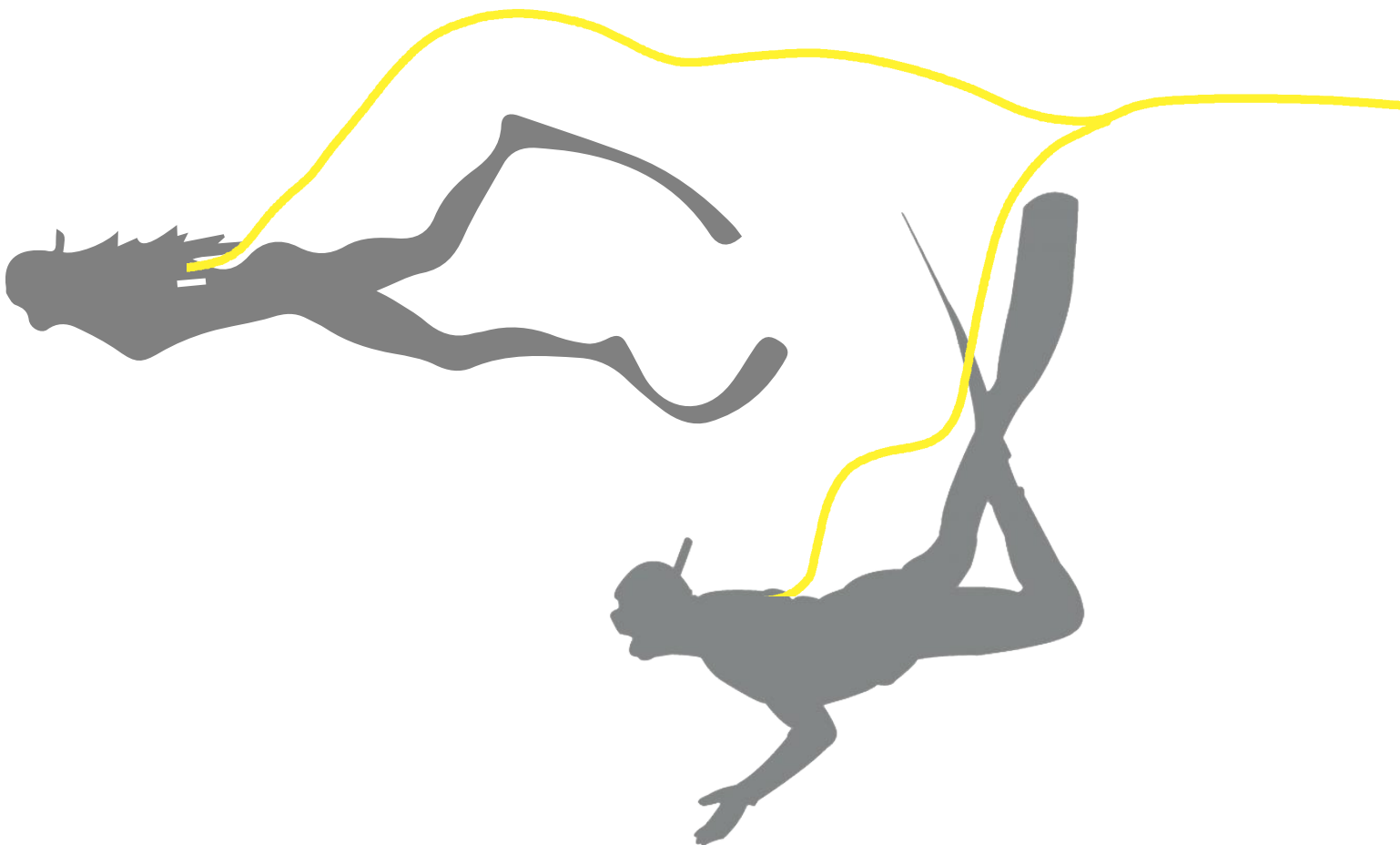
LITHIUM ION POWERED

**D I F F E R E N C E**

## THE CONCEPT

The SeaLion is the the only hookah system with a 3+ hour run-time in its class!

With an advanced battery technology and Variable Speed (VS) ingenuity is what ensures the best value, the best performance and the best dive for those seeking the experience of a superior surfaced supplied air system.





# Diving made easy!



## RECHARGEABLE

The 24 V / 63.8 amp-hour Lithium Ion Battery is easily charged off a 110 V / 220 V compatible plug in charger.



## INSTA-CHANGE BATTERY

A one-hand spring loaded accessible compartment opens up to allow you to easily and instantly swap the battery for a fully charged one and continue the fun for another 3+ hours!



## NO GAS/OIL

We have replaced the gas engine with a 650 watt brushless motor. When you eliminate the need for gasoline and oil to operate a system, care and maintenance just go a whole lot easier!



## VARIABLE SPEED

The VS or Variable Speed Technology constantly adjusts the compressors speed to meet the divers demand for air. During low demand, the compressor speed is reduced, conserving battery power. During high demand, the speed increases to provide a maximum volume of air to the divers.



## EARTH FRIENDLY

Battery-powered diving systems run with far less noise, eliminates exhaust fumes and offers zero emissions.





Sea  
ion  
LITHIUM ION POWERED





The **SEA LION™**



# KEY FEATURES



## VS TECHNOLOGY:

Constantly adjusts the compressors speed to meet the divers demand for air. During low demand, the compressor speed is reduced, conserving battery power. During high demand, the speed increases to provide a maximum volume of air to the divers.

## DEPTH SELECTOR:

The dial at the top of the system allows you to select your maximum dive depth for a longer run time when used at a smaller depth setting.

When the system is switched on, the compressor will pulse on startup to confirm which option has been selected. Choose between 15 , 25 and 65 feet.

*One pulse: 15 feet Two pulses: 25 feet Three pulses: 65 feet*

## VOLT METER:

The Volt Meter Display allows you to see the battery charge without having to get out of the water.

## 2- 4 DIVERS:

2 divers to 65 ft, 3 divers to 35 ft and 4 divers to 15 ft.

## ACCUMULATOR TANK:

A 2.5 GALLON Accumulator Tank serves as a temporary storage reservoir for your compressed air during peak demands. Whether swimming against the current, chasing the perfect fish or just diving with an air hog, an accumulator tank will provide the air buffer you need.

## INSTA-CHANGE BATTERY:

One-hand spring loaded accessible compartment to easily and instantly change the battery for a fully charged one to continue your fun diving!

## NO GAS/OIL:

We have replaced the gas engine with a 650 watt brush-less motor. When you eliminate the need for gasoline and oil to operate a system, care and maintenance just go a whole lot easier!

## DIRECT DRIVE OIL-LESS COMPRESSOR

Oil less single head Direct Drive compressor with Sealed Stainless Steel Compressor Bearings with Breathing-Air/Oxygen compatible grease. The complete main bearing and eccentric crank assembly is machined from high-quality stainless steel. Reed-valves are made by a very precise etching method and are pure high-grade stainless.

## SECURED BATTERY BOX

Hand crafted from 1/2" thick King Starboard, the Sea Lion Housing is designed to seal the battery compartment from the harsh elements. The molded 1.0" hand pressed seal is hand inlayed to ensure a precise seal. The housing is assembled by hand and tightened to the perfect torque that only a seasoned trade craftsman can feel by touch. Finally Stainless steel latches press the lid to the housing to ensure the battery compartment is sealed.

The Sea Lion has a sturdy handle located mid range between the compressor and battery compartment that allows easy single handed deployment of the system from a boat to the water.



## 24VT LITHIUM ION BATTERY FEATURES:

- Built-in charge and equalizing protection board to prevent battery from over-charging
- Remarkably low self-discharge for extended storage periods up to 2 years.
- More than twice the service life of conventional lead acid batteries
- No corrosive liquids, no toxic heavy metals make the Li-On batteries environmentally friendly
- Lightweight: only 18 pounds, less than 1/4 weight of a similar lead acid battery.
- AC charger can fully charge the battery from a 100 - 240V AC power source in 4 - 5 hours.



DEPTH SELECTOR



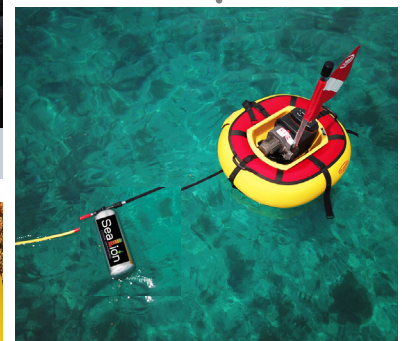
VS TECHNOLOGY



2 TO 3 DIVERS



LITHIUM ION BATTERY



ACCUMULATOR TANK



SEALED DC MOTOR



DIRECT DRIVE OIL-LESS  
COMPRESSOR



INSTA-CHANGE BATTERY



NO GAS / NO OIL



UP TO 3 HOURS RUN-TIME







# The PELETON

HOSE MANAGEMENT SYSTEM



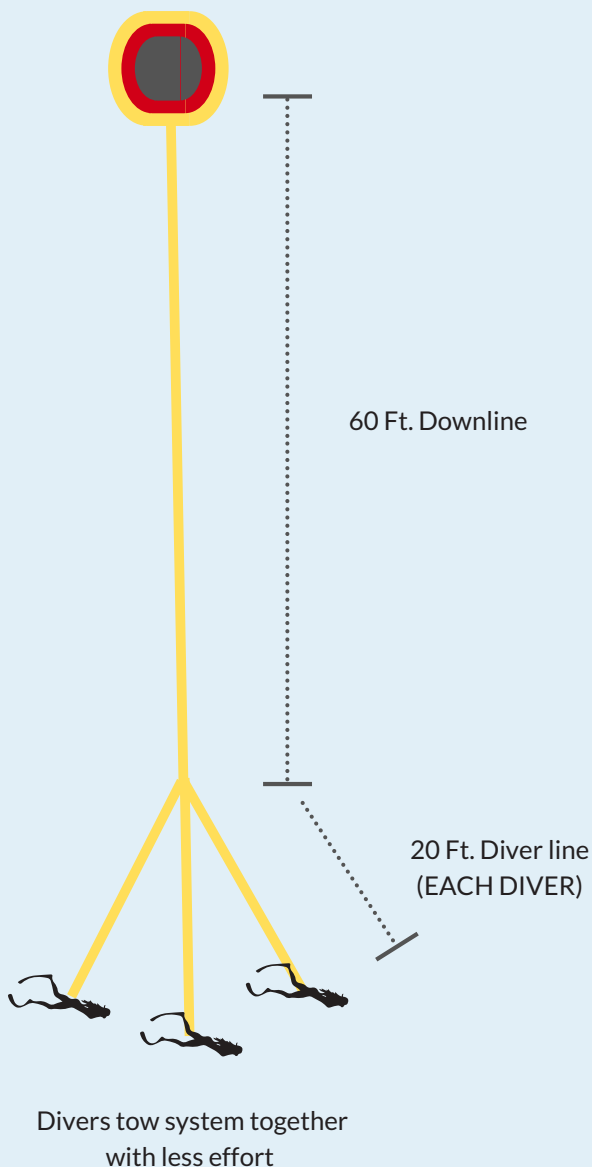


# THE PELETON™ Hose System

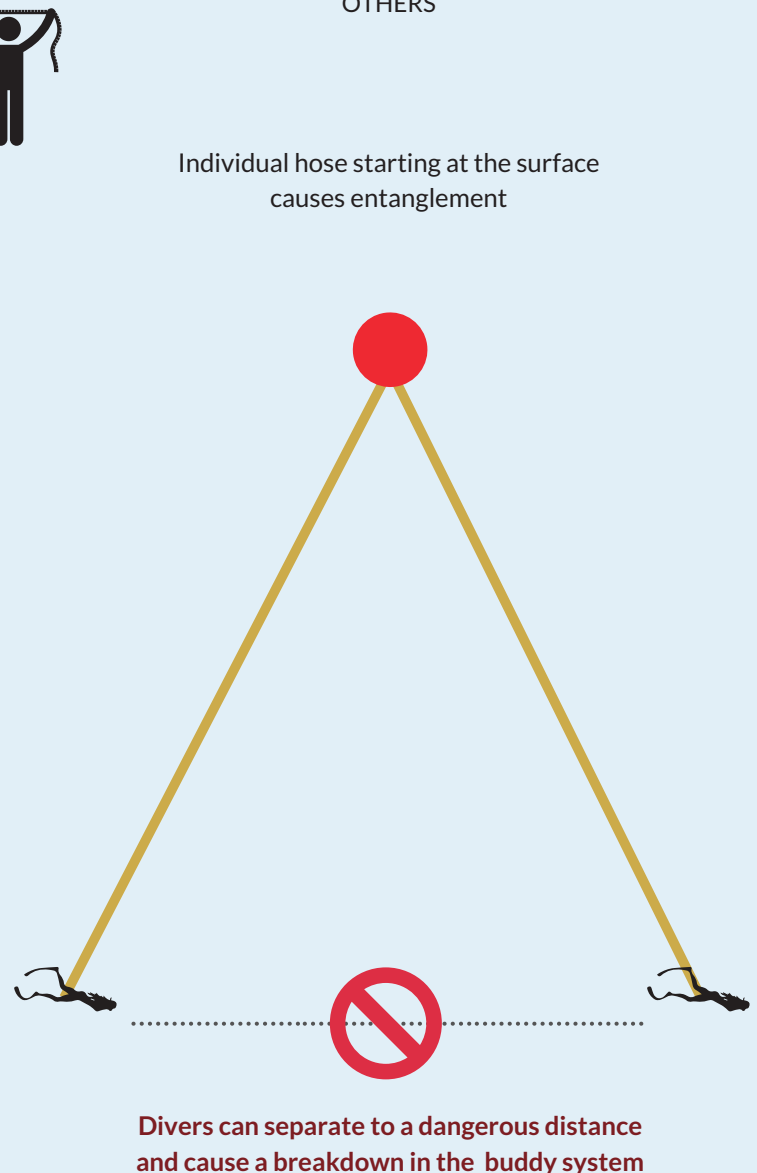
Just like bicycle riders reduce effort when riding together in a pack, Brownie's has found a way to reduce the work required by any single diver by dispersing the load over the entire group with our unique Peleton™ Hose System.

Long individual diver hoses can tend to pull the float in different directions, creating a zig zag pattern on the surface and a tug-of-war effect underwater. One diver is effectively always pulling the entire weight of the float. The Peleton™ pattern utilizes the efforts of all the divers in a single direction. The net effect is greatly reduced work required by any single diver.

The PELETON Hose System



OTHERS



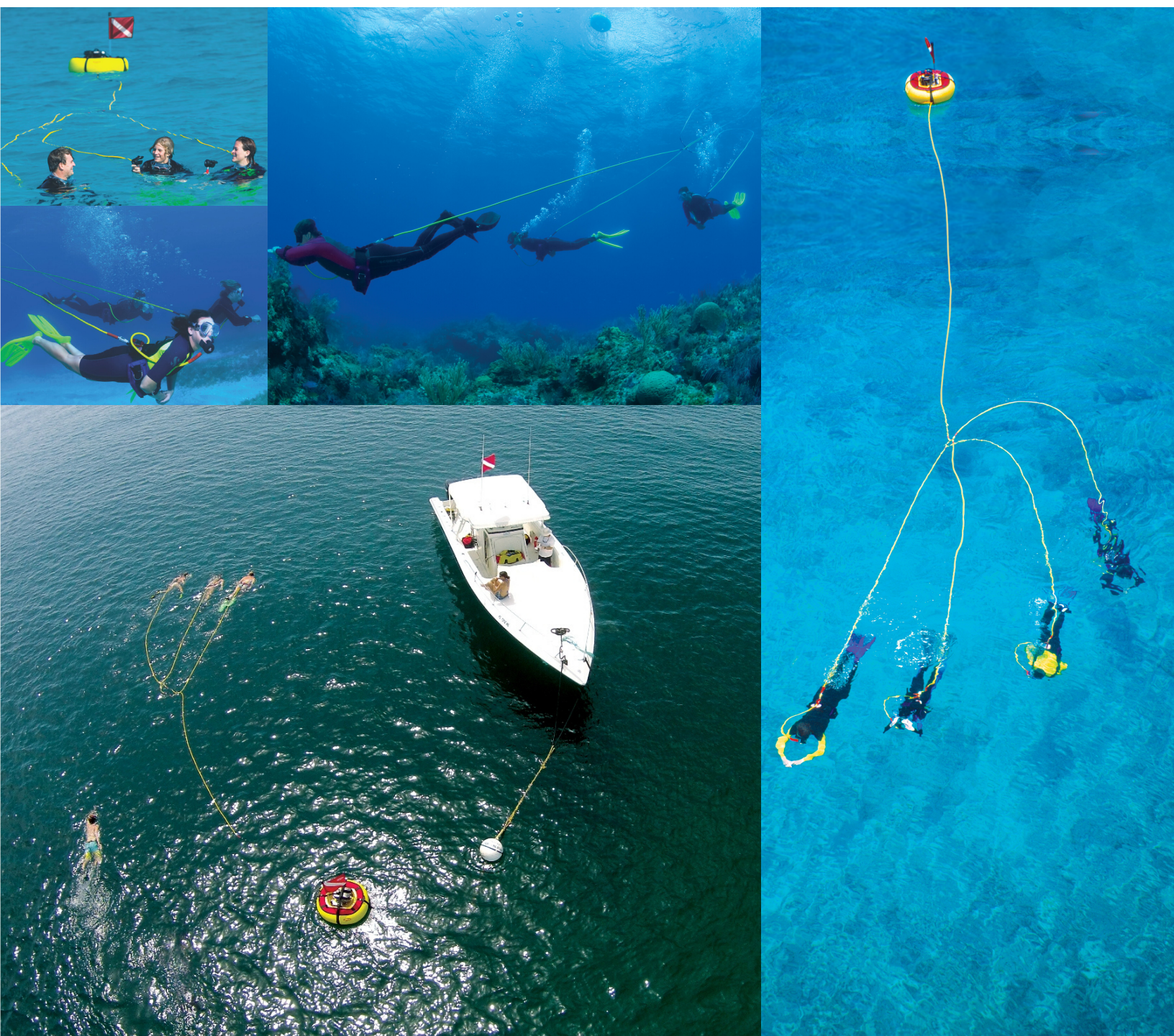


**DRAW:** Less hose in the water creates less drag and requires less effort.

**ENTANGLEMENT:** Avoid the “spaghetti” typically formed by numerous long hoses intertwining in and out of the water. The Peleton™ configuration makes deployment, recovery and clean-up simple.

**BUDDY SYSTEM:** Each diver is provided with a 20 ft individual diver hose allowing up to 40 ft of distance between divers. That’s enough separation for independence and exploration yet still close to your buddy.

**WEIGHT & STORAGE:** Even though our hoses float on the surface, they still have weight out of the water. Each 10 feet of hose is roughly 10 pounds. For a group of 4 divers using the Peleton™ Hose System they would have a total of 140 feet of hose (60 ft. common line and 20 ft. per diver) totaling 140 pounds. If each diver had their own 60 ft. line there would be a total of 240 pounds of hose. Now you have an additional 100 pounds of hose to tow in the water, but also to carry and store in your dive bag.











# The ACCESSORIES



# THE SEA LION

## *Diving System Includes:*

### **Air Intake STAFF WITH DIVE FLAG:**

- The Drip cap is machined in-house out of a solid piece of Delrin for both a proper seal and is designed to keep over-sprayed water out of the compressor head.
- A 30" staff keeps the flag in an area of greater visibility & ensures compressor a fresh supply of air. The diver down flag is of legal size 12x12.

### **DIRECT DRIVE COMPRESSOR:**

- Oil-less Direct Drive compressor utilizes Sealed Stainless Steel Compressor Bearings with Breathing-Air/Oxygen compatible grease.
- The complete main bearing and eccentric crank assembly is machined from high-quality stainless steel. Reed-valves are made by a very precise etching method and are pure high-grade stainless.
- This Direct Drive compressor is mounted to a sealed DC motor and mounted in a black sturdy HDPE case with travel cover.

### **STORAGE CASE:**

- HDPE-High Density Polyethylene
- More impact resistant than fiberglass
- UV resistant - won't fade
- Deep bottom pan keeps center of gravity low in tube
- Can be carried by top strap or by hand holds

### **TCT:**

- Ultraviolet stabilized Ballistic Nylon cover acts as a barrier for the tube from the sun, and is tough enough to resist abrasion and puncture.
- All seams are double stitched and stress points are box stitched with extra backing panels for the best support.
- Extra-wide webbing straps with corrosion-proof buckles and snaps are ready for years in the sun.
- Heavy duty YKK zippers resist jamming and can be rinsed clean.
- Available in bright yellow and red for excellent visibility.
- Secure molded carry handles for launching from boat or beach.
- Easy inflation - Integrated check valve, so air won't seep out unexpectedly. Inflate tube straight from compressor unit, no extra tools necessary.
- Easy deflation - lock open feature, can be totally deflated in less than 30 seconds.

### **ACCUMULATOR TANK**

- The floating 2.5 gallon stainless steel accumulator tank storage is included with every Sea Lion™ system.
- Whether swimming against the current, chasing the perfect fish or just diving with an air hog, an accumulator tank will provide the Air Buffer you need.

### **(QUICK RELEASE SWIVEL (QRS)**

Brownie's invested considerable resources and engineering to provide a far superior feature enhancement to the diver.

- QUICKLY Set up and Break down your hose system with a "Snap".
- An audible "CLICK" confirms the 2 hoses are secure.
- For durability, QRS fittings are injecting molded with High Density PE material.
- QRS fittings will not rust, corrode and are light weight.
- QRS fittings SWIVEL easily under pressure, salt and sand.
- Pressure from 2 sides/ 2 fingers is required to RELEASE or Disconnect the QRS fittings

### **WEIGHT INTEGRATED CUMMERBELT**

- One size fits most. The weight integrated cummerbelt instantly adjustable for waist sizes from 24 to 54 inches.
- Fully padded, depth compensating and contoured to fit your waist so you won't get the "gravity twist" like common weight belts.
- Offers 2 pockets – each capable of holding up to 8 lbs. of lead block or shot pouches.
- For added safety and control, each pocket can be instantly released by either hand (even if gloved) while still retaining the belt.
- You can easily achieve positive buoyancy by releasing a single pouch – much safer than dropping all your weight at once.
- 2 Stainless Steel D rings offer a place to connect your fun diving accessories.
- An optional sleeve can be mounted on the belt to harness a small back up pony bottle or Spare Air.
- With all of the hose securely connected by the QRS fittings, you always stay connected to the air hose and the surface.

### **BTL REGULATOR WITH UNDERMOUNT HOSE CONNECTION**

- Brownie's new bottom mounted regulator design allows the hose to lay neatly next to the diver's body for a more efficient and streamlined profile in the water.
- The regulator hose is then routed the divers chin to the Drop Weight Cummerbelt™ around the diver's waist.
- This allows an unrestricted range of motion, less jaw fatigue and a reduced chance of hose snags.
- Made of a light-weight, impact resistant composite material.
- Low pressure 65psi shares the proven performance of a traditional high pressure demand regulator.

### **DELUXE GEAR BAG**

- This Deluxe mesh gear bag measures in at a WHOPPING 32" long and square 14" x 14".
- Can be carried by the reinforced grab handles at each end or shoulder strap.
- Includes 2 exterior zipper pockets to hold your regulators or to secure smaller items.
- Exterior Velcro strap to secure your Brownie's air intake staff
- Reinforced bottom for lasting durability.
- Holds complete gear set up for 4 divers!





Divers Down Flag



60 Ft Common  
Down Line



Drop Weight Cummerbelt™



Deluxe Gear Bag



Lithium Ion Battery



QRS™ Y-Divider



Brownies™ Regulator  
with Undermount



Float Tube & Cover



Direct Drive Air  
Breathing Compressor



20 Ft Diver Line



Accumulator Tank



Online Training



# THE ONLINE TRAINING

Diving can be one of the most exciting and rewarding activities you will ever experience. However, like most exciting activities, there are rules and procedures you must follow. Breathing in an underwater environment can be dangerous, or even deadly, if you don't know the rules or if you chose to ignore them. Proper training is crucial to minimize risk and maximize enjoyment.

At Brownie's Third Lung, we want all our customers to be as educated and as safe as possible while in the water. For this reason we provide a free Online Training program with the purchase of each recreational hookah system.

The program is an interactive, web-based learning course designed to teach you how to properly and safely use your hookah system. It is broken down into 7 modules, each with specific knowledge requirements and objectives.

The course utilizes a variety of written explanations, illustrations, photographs and streaming video to clearly convey each subject. Brownie's makes it easy for students of all ages, including children, to enjoy learning.

Each chapter concludes with a multiple choice quiz to test your understanding and comprehension of the topics covered. Incorrect answers are automatically reviewed and retested. Once you have successfully completed the quiz for that module, you can move on to the next module.

After all chapters and quizzes have been completed there is a final comprehensive exam. The final exam follows the same format as the quizzes and may be retaken until it is successfully completed. Upon completion of the Online Training Course a diploma will be shown on-screen, ready to print, frame and proudly display.






## Brownie's Recreational Hookah Diving Course

**Thank you for purchasing a Brownie's Third Lung Hookah Diving System!**


To redeem this certificate for academic online training please go to [www.scuba-training.net](http://www.scuba-training.net). Use the 'sign-up code' listed below. Additional certificates may be purchased at your local Brownie's dealer or by emailing [info@browniedive.com](mailto:info@browniedive.com).

Sign-up Code	Serial Number	Expiration Date



www.brownedive.com 954.462.5670

**WARNING:** Improper use of any underwater diving equipment can result in serious injury or death. **DO NOT** dive unless you have been properly trained and are in good physical and mental health. For more information refer to your Owner's Manual. [www.brownedive.com](http://www.brownedive.com) or [www.scuba-training.net](http://www.scuba-training.net).





# THE SPECS

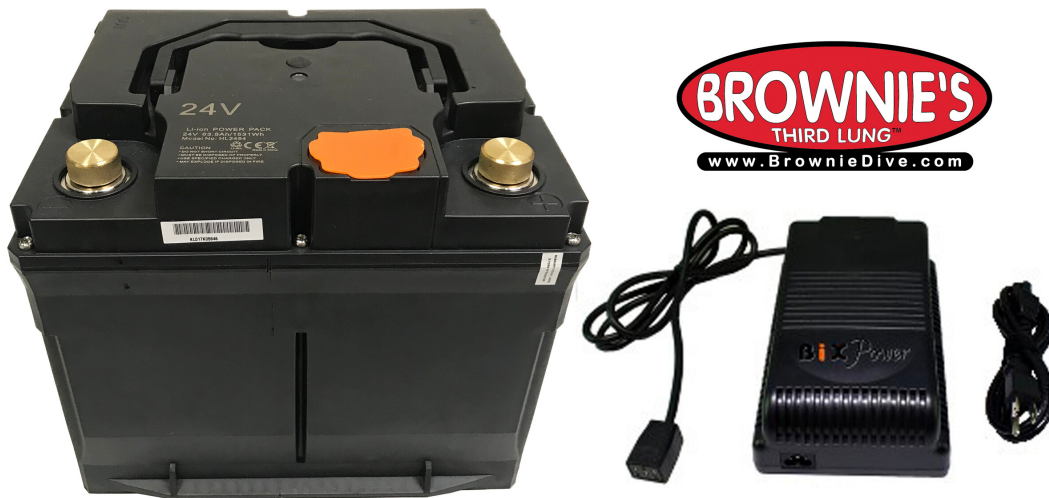
## LITHIUM BATTERY VS LEAD ACID BATTERY

BATTERY TYPE	LITHIUM ION BATTERY	LEAD ACID BATTERY
VOLTAGE FLUCTUATION IN WORKING	REMAINS STABLE WITH DIFFERENT OUTPUT	CVOLTAGE FLUCTUATION BASED ON OUTPUT
CYCLE LIFE (RESIDUAL CAPACITY OVER 5%)	500 ~800 TIMES	150~300 TIMES
CAPACITY	VERY STABLE AND VERY LITTLE AFFECTION BY OUTPUT CURRENT	SUFFER A BIG AFFECTION IN BY OUTPUT CURRENT. CAPACITY WILL BE MUCH SMALLER THAN RATED CAPACITY WHEN OUTPUT CURRENT IS LARGE.
DEPTH OF DISCHARGE (D.O.D.)	99%	50-60%
SELF DISCHARGE RATE (PER MONTH)	1~1.5% (CAPACITY REMAINS OVER 80% EVEN THE BATTERY IS IDLED FOR ONE YEAR)	30% (BATTERY CAPACITY DROPS NEAR TO ZERO IF IT IS UNUSED FOR 3 MONTHS)
FAST CHARGE CAPABILITY	CHARGE TO FULL CAPACITY IN ABOUT 6 HOURS	IT NEEDS 8 ~ 12 HOURS TO FULLY CHARGE THE BATTERY
DISCHARGE WORKING TEMPERATURE °C	-20~+75	-20~+55
MEMORY EFFECTIVE	NONE	NONE
THERMAL STABILITY	OUTSTANDING	ACCEPTABLE
WEIGHT (COMPARE TO THE SAME CAPACITY)	1/4 OF WEIGHT TO LEAD ACID BATTERY	COMPARATIVELY HEAVIER WEIGHT
INSTALLATION	ANY DIRECTION	UPRIGHT POSITION IS NECESSARY
SAFETY	BUILT-IN SAFETY PROTECTION FUNCTION	DANGER OF ACID LEAKAGE
ENVIRONMENTAL CONFORM-ABILITY	CONFORMS TO ROHS STANDARD	VIOLATES ROHS STANDARD; LEAD AND SULPHATE ACID ARE POLLUTANTS
DISPOSITION OF USED BATTERY	LITHIUM-ION BATTERIES ARE GENERALLY NOT CONSIDERED AN ENVIRONMENTAL HAZARD BECAUSE THEY DO NOT CONTAIN LITHIUM METAL. THE UNITED STATES GOVERNMENT LABELS THEM AS NON-HAZARDOUS WASTE AND DOES NOT OPPOSE THEM BEING DISCARDED TOGETHER WITH THE TRASH THAT MAKES UP THE LOCAL WASTE STREAM.	NEEDS SPECIAL RECYCLING AFTER TREATMENT UTILITY





**EASY CHANGE BATTERY vs 9 SCUBA TANKS**  
**18 lbs vs 315 lbs**





# CONTACT

Please check out our website for Authorized Brownie's Third Lung Dealers and Authorized Brownie's Third Lung Service Centers.

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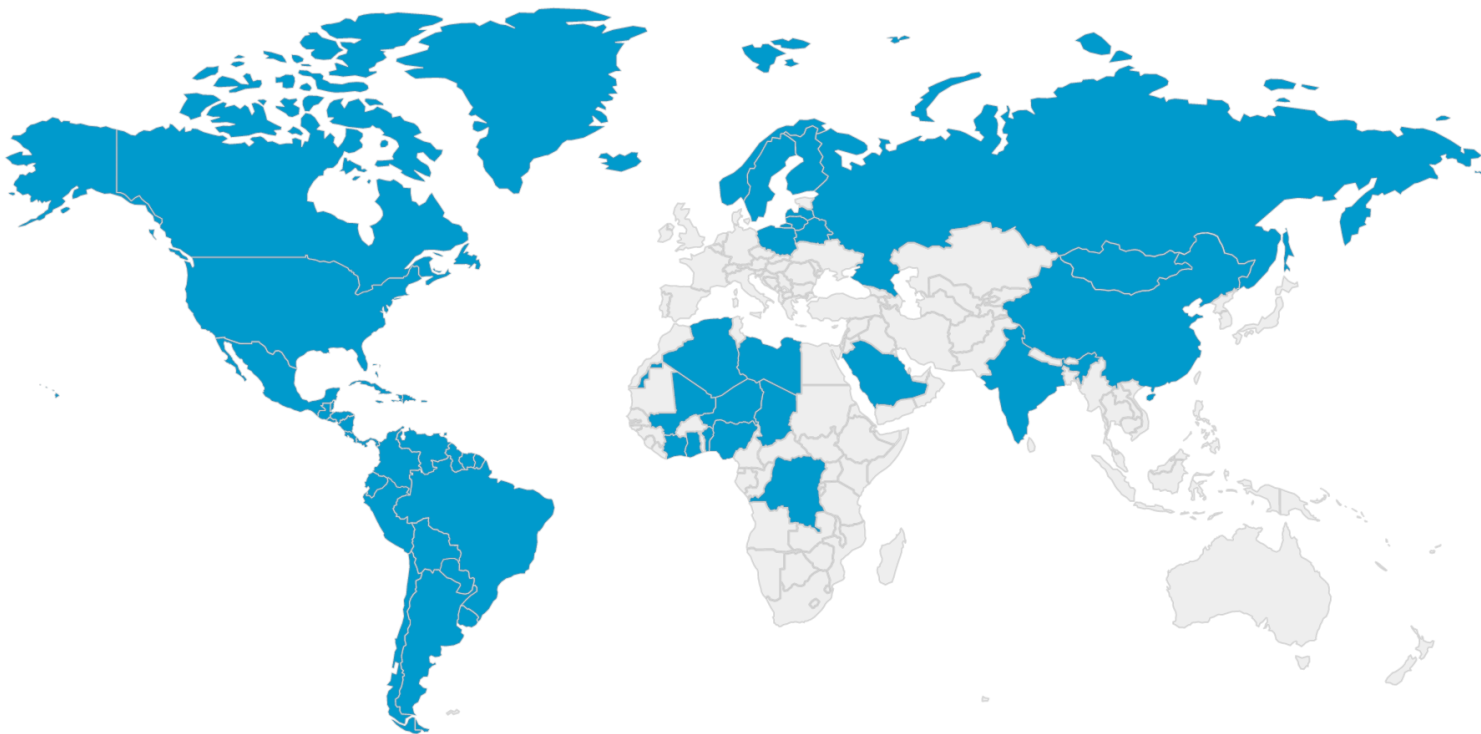
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 Search "Sea Lion Battery Diving System"



## BROWNIE'S HAS AN EXTENDED LINE OF COMPANIES & PRODUCTS



Nitrox  
MAKER™



# 3DBUOY



# YachtPro™

High Pressure Breathing Air / Nitrox Compressors





*Diving Made Easy!*

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**Since 1969**

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