

SO WHICH AQUA LUNG REGULATOR SHOULD YOU CHOOSE?

Legend LX

The Legend LX is a superbly engineered regulator boasting outstanding features, exceptional performance and stylish good looks. Jacques Cousteau invented the very first Aqua Lung regulator and with it the sport of scuba diving was born. Sixty years on, the release of the Legend series represents the ultimate refinement of Cousteau's invention. The Legend LX combines exceptional ease of breathing, ease of service, reliability and stunning looks that give testament to the quality that lies beneath a masterpiece of modern engineering.



Legend

A more affordable way to own a highly engineered regulator with abundant features, exceptional performance and reliability. The Legend is the more cost-effective option if you want to possess a marvel of design and functionality. The Legend is the pedigree from which the Legend LX was spawned. This means that the same quality workmanship and superior features of the Legend LX are native to the Legend. The Legend boasts remarkable reliability, good serviceability and outstanding performance.



Calypso XP

Reliable, durable and easy to maintain, the Calypso XP promises great performance at a reasonable price. Proving great value for money, this compact unit offers above-average performance and proven reliability making it the ideal sport diving regulator. Quoted in Scuba Diver magazine as 'moderately priced with outstanding performance', the Calypso XP is an appealing choice for the budget-conscious buyer. Outstanding value for money.



Mistral

The Mistral offers all the benefits of the original double hose regulators, combined with the developments and refinements of modern regulator technology. Incorporating a time proven dry sealed first stage, a unique completely sealed second stage, a high pressure port and multiple low pressure ports, the Mistral offers all the benefits and reliability of modern regulators. This regulator will appeal to underwater photographers, videographers, ice divers, commercial divers, military divers, search and rescue divers, scientific divers, and anybody nostalgic for the 'good ol' diving days.'



Titan LX Adj

A new twist on the Titan LX. Now you can adjust your Titan LX with a simple twist of the fingers. The new Titan LX Adjustable has the addition of a cracking resistance control to adjust the inhalation effort required to "crack open" the seat which allows air into the second stage. This means the diver can tune in the breathing "feel" of the regulator. In addition to this, the Titan LX Adj has the same proven high performance of the Titan first stage coupled with the easy breathing LX second stage.



Titan LX

Packed with features and offering high performance at a moderate price. The Titan LX represents high-end performance at a mid-range price. In the last US Navy test the two regulators that ranked the highest, both from Aqua Lung, scored an impressive 1.4 joules effort at 62 metres. The Titan LX clocks in with the incredible result of less than 1.16 joules - at the increased depth of 80 metres! The Titan LX guarantees performance at an affordable price.



Titan XLC

A proven performer, the mighty Titan XLC is a top seller worldwide. More divers are breathing through the XLC second stage than any other regulator in the world. Its flawless exterior houses a level of engineering that its competitors cannot hope to match. A combination of outstanding workmanship and superior design promises a lifetime of outstanding performance under even the most adverse diving conditions.



LX Occy

- Designed for use in cold-water
- The Octopus LX is a pneumatically balanced second stage with a high-visibility cover ring and 39" yellow hose
- Mid-sized with all the superior breathing characteristics of the Legend series
- Air balanced and ideally suited for the Legend over-balanced first stage
- Diver-controlled Vane Adjustment Switch (VAS) reduces sensitivity to free flow on the surface and provides maximum airflow at depth



ABS Occy

- Designed to work properly in either right or left hand position
- Ergonomic 120° angle between hose and mouthpiece is optimum for sharing with buddy
- Custom quick release mounting clip included
- Equipped with 30-inch yellow hose for visibility and easy use
- Best used with Titan & Calypso 1st stages



XLC Occy

- A mid-sized, feature rich alternate air source
- Diver-controlled Vane Adjustment Switch (VAS) reduces sensitivity to free flow on the surface and provides maximum airflow at depth
- Enlarged second stage air inlet equipped with Aqua Lung's exclusive Comfo-Bite™ mouthpiece
- Equipped with 39" yellow hose for visibility and easy use
- Best used with Titan & Calypso 1st stages
- Available in nitrox version



REGULATOR ICONS



FIRST STAGE

Auto Closure Device (ACD)

This system automatically protects your first stage from the environment as soon as it has been disconnected from the cylinder valve.

- ACD affords the greatest protection against water entry
- ACD affords the greatest protection against contamination
- ACD is an improved safety measure. It is available in DIN 300B and Yoke 232B versions throughout the LEGEND range



Diaphragm First Stage

Diaphragm mechanisms are time-proven, high-performance designs. By the nature of their design, all moving parts are protected from the environment. The small components reduce internal friction to allow optimal performance. These first stages perform consistently throughout the dive regardless of depth or cylinder pressure.



Over-Balanced Diaphragm First Stage

As you descend with an over-balanced first stage, the medium pressure in the hose actually increases at a faster rate than the traditional balanced models. This increased medium pressure compensates for the increased density of your breathing gas at deeper depths.



Air Turbo System

The Air Turbo System is a passageway between the port area and the diaphragm chamber. It allows the main diaphragm in the first stage to immediately sense a pressure drop due to inhalation and react faster causing the first stage valve to open sooner. The result is a very responsive regulator that can keep up with the most rigorous demands.

SECOND STAGE



Balanced Second Stage

In an unbalanced second stage the valve which controls the flow of air works against a spring. In order to open the valve, the diver's inhalation force needs to counteract the spring force. In a balanced second stage the intermediate pressure coming from the first stage is used to counterbalance the spring force.



Venturi Adjustment Switch

Air circulating in the second stage creates a strong venturi effect that assists you during the inhalation process. The addition of an external venturi adjustment switch allows our engineers to maximise the strength of the venturi for ease of breathing, while allowing you to control it to prevent air from escaping when the unit is out of your mouth, such as on a surface swim.



Comfo-Bite® Mouthpiece

The patented bridge on this mouthpiece fits lightly across the roof of the mouth eliminating the need to clench your teeth. This results in less jaw fatigue and makes diving much more comfortable.



Sensitivity Adjustment

This adjustment feature allows you to tune the regulator for your personal needs. For example, when the regulator is out of the mouth such as on a surface swim, the knob can be turned in to decrease sensitivity. When diving to greater depths, the knob can be turned out all the way to compensate for the fact that the air is more dense.



How to select your

Regulator

AquaLung Regulators & Octopus



For further information on any of these products contact **Aquanaut**
 P: 02 4966 4900 F: 02 4966 4955 E: info@aquanaut.com.au W: www.aquanaut.com.au

When you purchase a scuba regulator you are purchasing a piece of life support equipment, you should make this decision as though your life depended on it-because in reality it does. You could try and save a few dollars and entrust the air you breathe to a competitor or you could put your trust in the company that invented scuba diving and is still number one world wide.

REGULATORS - AQUA LUNG

The Macquarie Dictionary defines an aqualung as follows - "Aqualung - A diver's underwater breathing apparatus"



Rarely does a brand reach iconic status where the brand name is the accepted description for the product. All divers use an aqualung that regulates the pressure of the air they breathe; but experienced divers choose an Aqua Lung because they know that this brand was the first and its design and quality are inextricably intertwined with the long, rich history of scuba diving.

Aqua Lung recognises that progress is made through continuous evolution. Each new Aqua Lung regulator builds on the inherent qualities of its predecessor while implementing the latest advances in design and materials. Your aqualung is responsible for delivering life sustaining air, so don't compromise with second best - choose Aqua Lung.

3 main features to look for in a scuba regulator

1 Ease of Breathing/Performance

All Aqua Lung regulators exceed international standards for breathing resistance. Because Aqua Lung is recognised as the world's premier brand even Aqua Lung's entry level regulator has an extremely low level of breathing resistance. This makes inhalation and exhalation easy even in relatively demanding conditions. Read more about this in the 'Technical Corner - Work of Breathing' (see next page).

2 Quality/Value

When you pick up an Aqua Lung regulator you can see and feel the quality. Aqua Lung regulators are built to last and give you a lifetime of enjoyment. All Aqua Lung regulators are designed and built in their own specialist factory. In fact the quality is so good that they come with a limited lifetime guarantee (conditions apply).

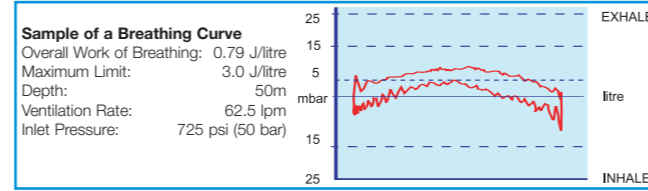
3 Support/Spare Parts

Aqua Lung have a policy of constantly improving their regulators while ensuring core components are compatible with older models. This combined with the fact that Aqua Lung is the world's number one brand ensures that even in some of the world's most remote regions you will find the part you need and someone qualified to repair your regulator. Often, inexperienced divers choose the cheapest regulator they can find only to discover a year or so down the track there is no support. Not only should you buy wisely, you must have your regulator serviced regularly, remember your life depends on it.

TECHNICAL CORNER

Work of Breathing

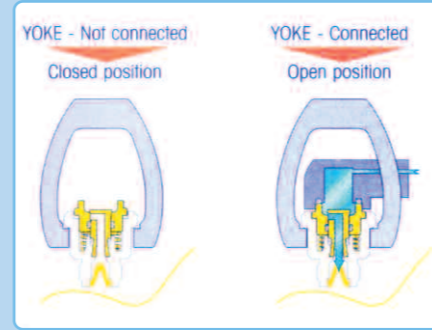
Aqua Lung regulators are objectively tested and their gas delivery performance is evaluated using an ANSTI breathing simulator machine. This simulator quantifies inhalation and exhalation effort while subjecting the regulator to variations in depth, supply pressure and water temperatures. The results of these tests, which study exhalation and inhalation effort, are computer analysed to produce an overall "work of breathing" (WOB) rating. The WOB results are typically plotted as "WOB Curves" as seen in the diagram. All Aqua Lung regulators exceed the rigorous standards required of regulators sold internationally and particularly in European countries. The rigorous European standard ("CE") requires that the WOB does not exceed 3 joules/litre at 50m. All Aqua Lung regulators have received the CE approval rating. When you purchase an Aqua Lung regulator, you are buying it with confidence because the comprehensive testing program to which these regulator designs are subjected is your guarantee of quality and performance.



Auto Closure Device (ACD)



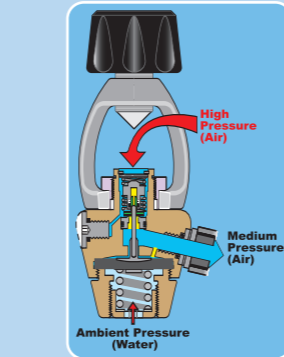
This system automatically protects your first stage from the environment as soon as it has been disconnected from the cylinder valve. If it is stored without its dust cap the inside of the first stage is protected against corrosion and foreign bodies. However, use of the dust cap is recommended to prevent damage due to impacts.



ACD affords the greatest protection against water entry
 ACD affords the greatest protection against contamination
 ACD is an improved safety measure. It is available in DIN 300B and Yoke 232B versions throughout the LEGEND range

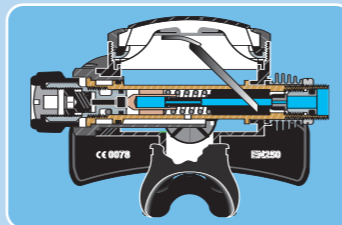
Over-Balanced Diaphragm First Stage

As you descend with an over-balanced first stage, the medium pressure in the hose actually increases at a faster rate than the traditional balanced models. This increased medium pressure compensates for the increased density of your breathing gas at deeper depths. The result is superior breathing regardless of depth.



Balanced Second Stage

In an unbalanced second stage the valve which controls the flow of air works against a spring. In order to open the valve, the diver's inhalation force needs to counteract the spring force. In a balanced second stage the intermediate pressure coming from the first stage is used to counterbalance the spring force, substantially reducing the amount of effort required to open the valve. This results in a second stage that is much more responsive to inhalation effort and breathes very smoothly, especially at depth.



Model	Icons	1ST STAGE	2ND STAGE	OCTOPUS	WOB (J/L)	Pressure Ports	High Pressure Ports	EAN40 Compatible	Work of Breathing at 50MSW*	Image	Other Models
Calypto		Over balanced diaphragm design	Pneumatically Balanced 2nd Stage		0.92 J/L	4	1	✓			
Titan XLC		Auto Closure Device (ACD)	Venturi Adjustment Switch		0.81 J/L	4	1	✓			
Titan LX		Environmentally Sealed 1st Stage	Comfo-Bite Mouthpiece		0.79 J/L	4	1	✓			
Titan LX Adj		Air Turbo System	Sensitivity Adjustment	XLC	0.79 J/L	4	1	✓			
Legend		Proven Balanced Diaphragm		ABS	0.74 J/L	4	2	✓			
Legend LX		High Flow Inline Piston		LX	0.74 J/L	4	2	✓			

* The rigorous European standard ("CE") requires that the WOB does not exceed 3 J/L at 50 metres. The US Navy considers 1.4 J/L effort as being very low. As you can see, all AquaLung regulators perform exceptionally well

