



Halcyon BC Selection Guide

Your Halcyon System

A Simple Guide to Choosing the Right BC Configuration System

Choosing a buoyancy system should feel like building something that fits you, your diving, and where you want to go next. It shouldn't feel complicated.

Halcyon systems are modular by design. That means you don't buy a fixed BCD—you build a system that not only matches your diving style today, but also can evolve with you over time.

Let's walk through it step-by-step.



Step 1: Start With Your Diving Style

Before choosing equipment, ask yourself:

/ Am I diving single tank or double cylinders?

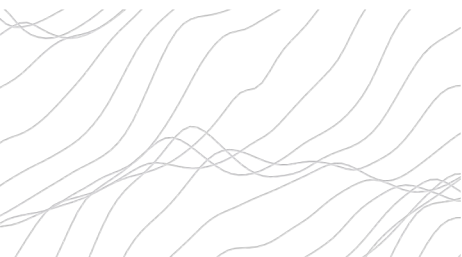
/ Do I mostly dive in warm water or cold water?

/ Am I renting tanks or do I own my own?

/ Am I planning to stay recreational or move toward technical diving?

Your cylinder choice determines your wing.
Your exposure protection determines your weight needs.

Everything else builds from there.



ECLIPSE



Step 2: Choosing Your Wing

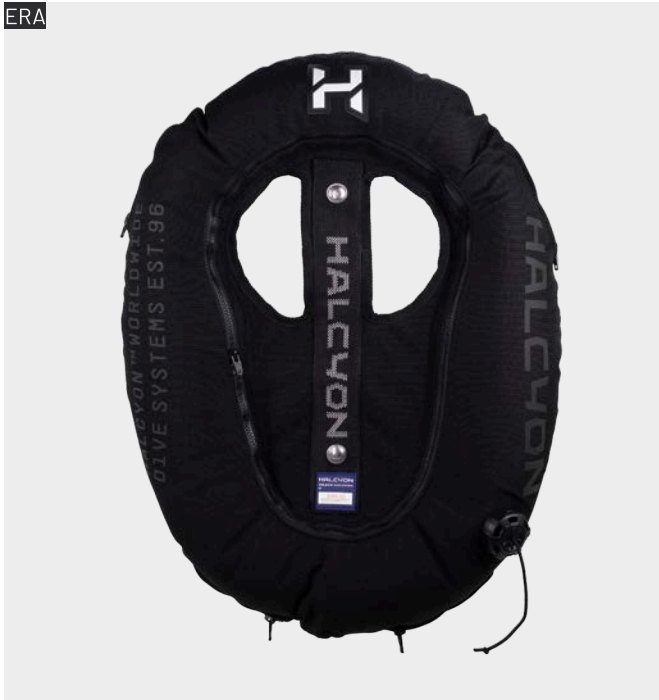
The wing provides lift and stability. The right size depends on your cylinder configuration.

Single Cylinder Diving

Model Options

- **Eclipse**—classic, minimalist single-tank wing designed for versatility and balanced trim.
- **Era**—streamlined profile with a slightly sportier feel, ideal for active divers who prefer a more compact shape.

ERA



Available lift options

- 20 lb (9 kg) (Available only for Eclipse)
- 30 lb (14 kg)
- 40 lb (18 kg)

How to choose

20 lb or 30 lb

/ Best for standard diameter cylinders (AL80 HP100, LP85, etc.)

/ Ideal for most recreational divers

/ The 20 lb has a slightly smaller profile (great for smaller divers or youth)

40 lb

/ Designed for larger diameter cylinders (LP95, LP104, LP120, HP130)

/ Better for heavier tanks or when carrying more equipment

If you're diving a typical AL80 in warm water, the 30 lb is the most versatile choice for most divers.



EVOLVE



Double Cylinder Diving

Model Options

- **Evolve**—traditional donut-style doubles wing designed for balanced buoyancy and stability in technical configurations.
- **MK2**—refined evolution of the doubles platform with updated shaping and performance-focused adjustments.

Available lift options

- **40 lb** (18 kg)—for smaller diameter doubles (AL80, HP100, LP85, etc.)
- **60 lb** (27.5 kg)—for larger diameter doubles (LP95, LP104, LP120, HP130)

The size of your double cylinders determines the wing:

/ Smaller cylinders = 40 lb

/ Larger steel cylinders = 60 lb

MK2





Step 3: Choosing Your Backplate

The backplate determines structure and contributes to your weighting.

Materials Options

Stainless Steel (2.5–2.7 kg/5.5–6 lb)

- / Adds significant weight
- / Ideal for cold water or thick wetsuits/drysuits
- / Reduces the weight needed on your belt

Aluminum (1 kg/2 lb)

- / Lighter weight
- / Great for travel
- / Ideal for warm water diving
- / Cost efficient

Carbon Fiber (~0.45 kg/1 lb)

- / Ultra lightweight
- / Strong and travel-friendly
- / Integrated cinch system included

A Simple Weight Rule

A rough starting point:

Most divers use around 10% of their body weight in total ballast.

If you need more weight (cold water, thick suit), stainless steel may help reduce lead.

If you dive in tropical water, aluminum or carbon often makes more sense.



Backplate Size

- Small—under 158 cm/62 in or shorter torso length
- Standard—158 cm/62 in–185 cm/73 in (fits most divers)
- Long—over 185 cm/73 in (available in stainless steel and aluminum)

Two important checks:

/ Can you reach the top of the plate?

/ Does the waist strap sit correctly on your hips?

/ Fit matters more than height alone.

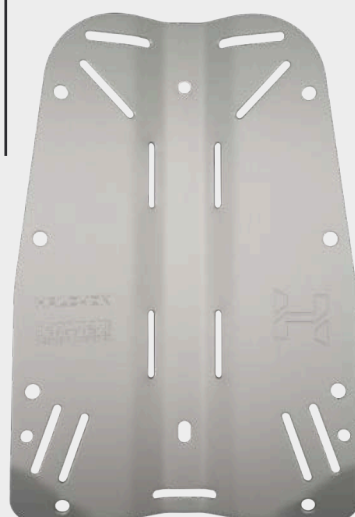
[Watch this quick guide on backplate sizing and positioning to find the right fit for your setup.](#)



CARBON_BKPLT



ALUMINUM_BKPLT



STEEL_BKPLT



Step 4: Weight & Modularity

This is where Halcyon really shines—everything is modular.

Single Tank Adapters (STA)

Options:

- Stainless Steel STA
- Weighted Stainless Steel STA (adds ~2 kg/4 lb)
- Carbon Fiber STA

If you need more weight integrated into the system, choose weighted SS.

If you travel often, carbon fiber is ideal.

All are interchangeable.



Weight Pockets (ACB)

Halcyon Active Control Ballast pockets:

/ Hold up to 2.5 kg/5 lb each

/ Fully removable

/ Adjustable for salt vs freshwater or wetsuit vs drysuit

Flexible. No commitment.

Hardware: Stainless Steel vs Aluminum

This refers to D-rings and harness hardware.

/ Stainless Steel—stronger, slightly heavier (most common choice)

/ Aluminum (black)—lighter, good for travel

There's no wrong choice here. Just a preference.

Step 5: Comfort & Adjustability

This is where Halcyon really shines—everything is modular.

Cinch System

Allows quick harness adjustment—especially helpful:

- / Switching between thin and thick exposure suits
- / Traveling
- / Sharing equipment
- / Getting in and out quickly

Carbon fiber plates include it. SS and AL plates can add it. You can always lock it in place later if you prefer a fixed harness.

Shoulder Pads

Helpful for:

- / Thin wetsuits
- / Rash guards
- / Added comfort during long surface waits

Removable anytime.

Back Pad with Storage

Adds comfort and includes a hidden storage pocket for:

- / Halcyon DAM or SMB
- / Small lift bag
- / Flat accessories

Optional. The system is comfortable even without it. Note: Not available for long plates.





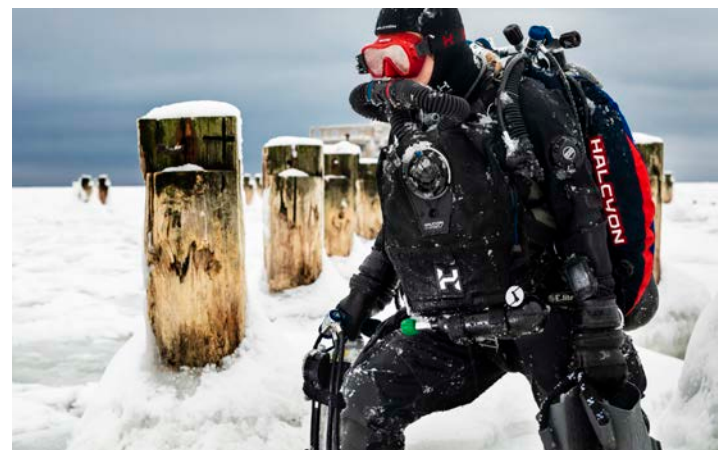
Step 6: Make it yours

Now the fun part.

Halcyon allows customization:

- / Wing color panels
- / Logo color
- / Custom logo embroidery
- / Harness webbing color

You can choose a classic black system with the traditional blue logo or customize it with color or patterns to make it truly yours.





The Halcyon Philosophy

You're not choosing a BCD, you're building a platform.

The modularity means:

/ You can upgrade later.

/ You can move from a single tank to doubles.

/ You can travel lighter.

/ You can adapt to new environments.

One system. Multiple futures.



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