

## REGULATORS – Delta 4—FDX10

OCEANIC  
PRODUCT  
DATA SHEET

Even with the best laid dive plans, there are times you encounter conditions beyond your control. The Delta4 is one hot new regulator, ready to take on all challengers with

improved performance, new features, improved styling, and the new FDX-10 First Stage featuring our exclusive Dry Reg Technology (D.R.T.).

- Diver adjustable inhalation effort
- Patented Dynamic Adjustment automatically maintains inhalation effort throughout the dive
- Adjustable Venturi Switch (A.V.S.) for simple Dive/Pre-Dive Adjustment
- Paired with the new FDX-10 Balanced Diaphragm featuring Oceanic's exclusive D.R.T. (Dry Reg Technology)

**D.R.T. (Dry Reg Technology)** An Oceanic exclusive that puts an end to flooded regulators without sacrificing performance! D.R.T. is a revolutionary regulator technology designed to automatically eliminate moisture and contaminants from entering your first stage, even if the dust cap is left off. Eliminates corrosion of critical internal components, bacteria, hose deterioration, and damaged gauges and computers



### Diver adjustable inhalation effort

Most downstream demand valve regulators are calibrated during manufacturing to a single, 'middle of the road' operation. Whether finning up current at 100+ feet or merely snorkeling out to the dive site, this factory adjustment may not be optimum for the wide variety of demands we place on our equipment. A simple twist of the Delta 4's adjustment knob enables complete control...set the inhalation requirement to near zero when you need ultimate performance, or tune it for greater resistance as conditions or preferences change.

### D.R.T. (Dry Regulator Technology)

Ever wonder why they call it a "dust cap" and not a water cap? D.R.T. eliminates the possibility of moisture entering the first stage with a simple, yet ingenious design. No hassle, no worries. What about performance? D.R.T. doesn't impact first stage performance even at 198 feet with just 200 psi in your tank.

The result? An end to flooded regulators! Oceanic's exclusive D.R.T. is designed to automatically eliminate moisture intrusion and contaminants from entering your breathing system.

Amazing. Simple. Patented. And by the way, only available on Oceanic Regulators.

### Patented Dynamic Adjustment

A common objection to adjustable second stages is that divers can't imagine themselves twisting and turning a knob as they descend and ascend through the depths. If inhalation resistance is set near zero at depth, your ascent would require you to manually increase resistance as ambient water pressure is reduced to prevent free-flow. Taking another stride beyond common second stage engineering, Oceanic designed a patented DYNAMIC ADJUSTMENT feature into the heart of the Delta 4. This mechanically balanced valve maintains a preferred breathing resistance throughout the dive. Set it once and the Delta 4 automatically adjusts to make breathing as easy at 100 feet as it is at 30 feet - with no additional manual adjustment.

### Adjustable Venturi System (A.V.S.)

The A.V.S. deflector vane found in the Delta 4 diverts the airflow from the valve directly to the mouthpiece, producing smooth venturi-assisted inhalation. With the addition of a user Adjustable Venturi System (A.V.S.), in the form of a simple yet ingenious switch, full adjustment control rests in the hands of the diver.

**In-Line Swivel**

The Delta 4 features an ergonomically designed in-line swivel for ultimate comfort.

**Improved Adjustment Mechanisms**

Both the Dynamic Adjustment Knob and A.V.S. Switch are designed to be unobtrusive, yet easily manipulated even with the thickest gloves.

**Surge Deflector**

Our surge protector (the titanium, blue or yellow that you see in the images above) reduces freeflow caused by surge or oncoming current.

**Computer optimized design**

Oceanic regulators are exclusively designed using the latest 3-D computer modeling techniques. This allows us the ability to model and test performance while still in the early stages of development. The Delta 4's unique deflector vane and housing design diverts airflow from the valve directly to the mouthpiece, producing smooth venturi-assisted inhalation.

**Lightweight**

The Delta 4's housing is made from an ABS/Polycarbonate composite blend of materials making the Delta 4 both extremely rugged and lightweight (6.7 ounces) and nearly neutrally buoyant underwater, reducing jaw fatigue on extended dives. The extremely lightweight cover ring is machined from a solid piece of aircraft aluminum, and then hard anodized, utilizing a unique process to prevent corrosion.

**Patented Orthodontic Mouthpiece**

To further reduce jaw fatigue, the Delta 4 features a patented Orthodontic Mouthpiece, designed to accommodate the natural overbite of the human jaw.

**Nitrox Compatibility**

The Delta 4 is classified as being suitable for use with nitrox breathing gas mixtures containing up to 40% oxygen by volume without the need for special preparation, cleaning or component parts.

**FDX-10 Balanced Diaphragm First Stage**

Forged from marine-grade brass, the FDX-10 features optimized air paths and angled hose ports for superior performance and comfort. A sealed Balanced Diaphragm design, Enviro Kit and patented DRT™ (Dry Regulator Technology) isolate all internal components from the environment. 2 high pressure and 4 low pressure ports allow convenient and comfortable hose routing



**Features & Functions**

Valve Type	DEMAND
Adjustment	KNOB/PRE-DIVE SWITCH
Balancing System	MECHANICAL
Integrated Purge Button	YES
Mouthpiece	ORTHODONTIC
Nitrox Compatibility	STANDARD TO 40%
Ambidextrous	
Integrated Swivel	YES
Weight (without hose)	6.8 OUNCES
Dimensions (front profile)	2.67 INCHES
First Stage Configuration	FDX-10
Minimum Cracking Effort	DIVER ADJUSTABLE
Factory Set Inhalation Effort	0.0 - 2.5 CIW*
Work of Breathing	0.87 JOULES