



## Product Description

The DGX Gears FIRST Regulator is a depth compensating flow-through piston first stage with an intermediate pressure of 120 psi and includes an over pressurization relief valve (OPV). This means the output pressure (aka "intermediate" pressure) is a constant 120 psi unaffected by changes in supply pressure or depth. Primarily intended for use in inflation and light SCUBA applications such as pony bottles and oxygen accelerated decompression, this first stage provides unusually good performance for such an inexpensive system.



There is one standard high-pressure port (7/16-20 UNF) and three standard low-pressure ports (3/8-24 UNF), in fixed positions, for attaching high and low pressure hoses. A 300-bar DIN connector is standard, and an optional yoke adapter is available. The OPV is set by factory to relieve at 180 psi.

## Attaching High and Low Pressure Hoses

**WARNINGS:** Do not try to connect a low pressure hose to a high pressure port or vice versa. Do not open a cylinder valve unless you are certain that **all** hoses are correctly attached.

### To attach high and low pressure hoses:

1. Check that the hose O-ring is in place.
2. Line up the hose connector with a port.
3. Hand tighten the hose to the regulator. Tighten further using an appropriately sized wrench. Do not over-tighten.

### To attach the regulator to a DIN valve:

1. Make certain that both the DIN connector and valve are free from dirt, sand, or other contaminants.
2. Make sure the regulator O-ring is in place and in good condition. Note: There is no O-ring on the DIN tank valve.
3. Screw the connector into the DIN valve until the O-ring seats to the back of the valve. Only hand tighten the connector. Do not forcibly tighten the connector.

### To attach the regulator to a yoke valve:

1. Screw the DIN-to-Yoke adapter to the cylinder yoke valve making sure the O-ring seats correctly. Do not over tighten.
2. Screw the first stage DIN connector into the DIN fitting on the Yoke adapter.

**Note:** Do not rotate the first stage once the connector is tightened. Doing so may cause the DIN connector to separate from the valve.

## Maintenance

Your regulator will provide you years of service with proper care and maintenance. This involves post-dive care and regular professional service. After use, cap the DIN fitting. Thoroughly rinse the regulator in fresh water and allow it to thoroughly dry before storing it in a closed container. Do not hang or store the regulator in a manner that puts strain on the hoses. To keep your regulator working at its best performance, you should have your regulator serviced at least once every two years or 200 dives by a professionally trained technician.

## Important Notice

Before using your regulator system components, there are several things you must do. These include:

- Obtain a minimum of entry-level open water scuba diver training and certification from a recognized diver training organization.
- As part of this training, you must master all the basic skills of regulator use, including proper assembly and disassembly of complete scuba units, including regulator, cylinder and harness, regulator second stage recovery and clearing, continuous breathing while on scuba, and post dive regulator cleaning and storage.
- You must read and understand this owner's manual and all other warnings that accompany the product. In providing this manual, we make certain common sense assumptions about your knowledge, skills, experience, and abilities. These assumptions include:
  - That you are a certified scuba diver, whose training met prevailing standards of practice and included the proper assembly, use, and care of scuba regulators.
  - That you further understand that the assembly and disassembly of regulator system components, and any repairs to or internal maintenance of such components, should only be performed by a qualified technician.
  - Practice using your regulator in calm, shallow or confined water before using it in more challenging conditions.

**If you have questions regarding any of the information you find in this manual or have questions pertaining to information about this regulator that you cannot find in this manual, contact us at [DiveGearExpress.com](http://DiveGearExpress.com).**

**WARNING: Failure to follow the instructions given in this manual or to heed the warnings it provides, can cause equipment loss or damage, serious personal injury, or death.**