ZEE GRAVITY PRODUCTS MANUAL

WHEN EVERY BAR COUNTS



ZEE GRAVITY SPG Series

2026

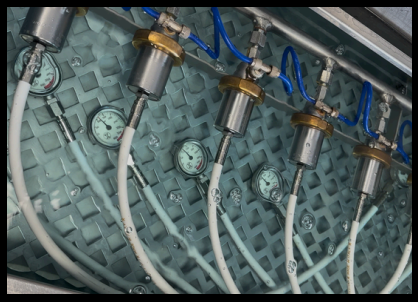
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STANDARDS AND QUALITY

Zee Gravity pressure gauges are designed for both recreational and technical scuba divers, offering exceptional quality, reliability, and ease of use. Each gauge is constructed with a solid brass housing for durability and long-term performance. Every model is individually manufactured and tested in accordance with EN 250:2014 or EN 250:2014 + EN 13949:2003 (for O_2 versions), and complies with the European Directive 2016/425.

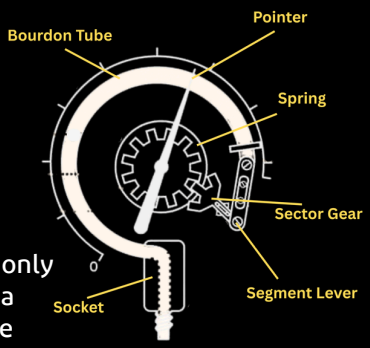
All Zee Gravity SPGs are made in Italy under strict high-quality manufacturing and testing standards to ensure performance you can trust in any diving environment.





Each gauge undergoes individual high-performance testing procedures to ensure proper functionality and accuracy, so you can dive with total confidence.

BOURDON TUBE MECHANISM

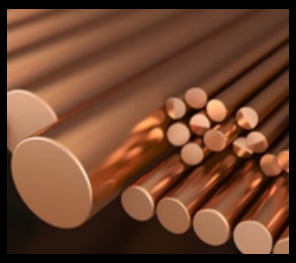


The Bourdon tube is a curved, flattened metal tube—commonly made from copper beryllium in scuba SPGs—that serves as a highly sensitive pressure sensor. When pressurized, the tube naturally tends to straighten due to the internal fluid pressure. This movement is mechanically translated into a precise reading on the gauge face.
Its specific curvature and dimensions are engineered to accurately measure pressure changes within a defined range, ensuring reliable performance even in demanding underwater conditions.

COPPER BERYLLIUM ALLOY

Copper beryllium is a high-strength, durable alloy ideal for handling the pressure fluctuations and physical impacts commonly experienced during diving.

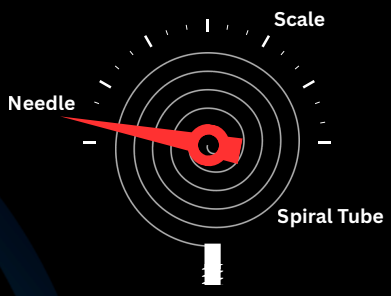
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SPIRAL WOUND MECHANISM

A submersible pressure gauge (SPG) with a spiral wound mechanism utilizes a Bourdon tube that is wound into a spiral shape to measure pressure.

This design is common in diving pressure gauges and offers good shock resistance and readability. The pressurized air from the scuba tank enters the spiral tube, causing it to unwind slightly, and this movement is translated to a needle on the gauge face that indicates the pressure.



SPG MODULE CAPSULE 52MM

Each gauge undergoes individual high-performance testing procedures to ensure proper functionality and accuracy, so you can dive with total confidence. This precision mechanism is engineered to accurately measure and display the remaining air pressure in a scuba tank. It is specifically chosen for its reliability, high accuracy, and ability to maintain calibration even after shocks or impacts making it ideal for demanding diving environments.

Housing: Nickel plated brass housing
Mechanism: Copper beryllium bourdon tube and silver welding
Dial: Luminescent and easy-to-read dial
Size: 52 mm / 2”
Lens: Tempered Glass
Max Pressure: 360 bar



SPG MODULE CAPSULE 50MM



This Zee Gravity 50mm compact submersible pressure gauge (SPG) features a copper beryllium spiral wound mechanism for enhanced durability and performance.

Housing: Nickel plated brass housing
Mechanism: Copper beryllium spiral wound
Dial: Luminescent and easy-to-read dial
Size: 50 mm / 2”
Lens: Polycarbonate transparent window
Max Pressure: 400 bar

SPG COMPACT IN-LINE



This Zee Gravity 1 console with hose 50mm compact submersible pressure gauge (SPG) features a copper beryllium spiral wound mechanism for enhanced durability and performance.

Housing: Nickel plated brass housing
Mechanism: Copper beryllium spiral wound
Dial: Luminescent and easy-to-read dial
Size: 50 mm / 2”
Lens: Polycarbonate transparent window
Max Pressure: 400 bar
Hose: Hi Pressure Rubber 80 cm



SPG 2CONSOLE IN-LINE 50MM

This Zee Gravity 2 console 50mm compact submersible pressure gauge (SPG) and Phosphor Bronze C Bourdon tube depth gauge with hose offers an ergonomic sleek style with a low and compact profile and compact profile and an extremely comfortable grip features a copper beryllium spiral wound mechanism for enhanced durability and performance.

Housing: Nickel plated brass housing
Mechanism: Copper beryllium spiral wound
Dial: Luminescent and easy-to-read dial
Size: SPG: 50 mm / 2” - MDI: 50 mm / 2”
Lens: Polycarbonate transparent window
Max Pressure: 400 bar / 70 meter
Hose: Hi Pressure Rubber 80 cm
Depth Gauge: Maximum depth red indicator easy to reset

HP HOSE - RUBBER



Standard thermoplastic High Pressure hose.
• Max. working pressure: 300 bar (4350 psi)
• Minimum burst pressure: 1200 bar (17400 psi)
◯ Made in ITALY
◯ EN250:2014 & European Regulation 2016/425
◯ Size: 15cm / 55cm
◯ Colors: Black / White





SPG SWIVEL AND O-RING

The Zee Gravity SPG swivel is made from brass and is designed to connect the HP hose to the pressure gauge. It comes equipped with a black Viton O-ring for secure sealing. Viton is a high-performance fluorocarbon rubber known for its excellent resistance to heat, chemicals, and compression, making it ideal for demanding diving environments.





RELIABLE READINGS
RUGGED CONSTRUCTION
READY FOR ANY DEPTH

SPG COMBO IN-LINE 52MM

This 2-gauge console by Zee Gravity includes a 52mm submersible pressure gauge (SPG) and a 63mm depth gauge, both featuring a copper beryllium Bourdon tube mechanism with silver welding for superior durability and performance.
This precision mechanism is engineered to accurately measure and display the remaining air pressure in a scuba tank. It is specifically chosen for its reliability, high accuracy, and ability to maintain calibration even after shocks or impacts—making it ideal for demanding diving environments.

DEPTH GAUGE:

The 2 console gauge combines our 52 mm (2") PRESSURE GAUGE with our 63 mm (2.5") DEPTH GAUGE, which is fitted with a copper-beryllium diaphragm and offers an easy and fast reading even at low depths. Furthermore, this console is equipped with an adjustable screw for diving in altitude. Top features include vertical reading and shock-absorbing protection.



Housing: Nickel plated brass housing
Mechanism: Copper beryllium bourdon tube and silver welding
Dial: Luminescent and easy-to-read dial
Size: SPG: 52 mm / 2" - MDI: 63 mm / 2.5"
Lens: Tempered Glass
Max Pressure: 360 bar - 70 m
Hose: Hi Pressure Rubber 80 cm
Depth Gauge: Maximum depth red indicator easy to reset
Adjustable screw for diving in altitude

Explore More from ZEE GRAVITY







For any questions, feedback, or suggestions, feel free to reach out to us at info@zeegravity.com

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