

Float 30: Technical Specifications



Introduction

The Float 30 is the first airbag that is both affordable and easily reusable. We use a smaller cylinder, single-chamber 150-liter airbag, and super-efficient venturi system to reduce cost and weight. The airbag itself not only helps prevent burial, but protects the head, neck and upper body from trauma. With its location behind the head and away from the hips and arms, it preserves the user's peripheral vision and his or her ability to escape the avalanche before it picks up speed.

Advantages

The deployed airbag works to reduce or eliminate burial depth in an avalanche, substantially increasing your chance of survival. It also helps prevent trauma to the head and neck areas.

Working Process

The Float 30 is deployed using the trigger handle that is housed within the right shoulder strap of the pack. This handle is attached to a cable that runs to the deployment cylinder which triggers the release valve of the cylinder. When released, the compressed air of the cylinder is pushed through a venturi valve, which causes outside air to be forced into the airbag, thereby inflating it from within the pack.

Physical Characteristics

Weight: 7.4 pounds/3357 grams (system)

4.4 pounds/1996 grams (pack only)

Volume: 1830 cubic inches/30 liters

Torso lengths: 17–22 inches

Hydration: none included but is compatible

Cylinder Specifications

Recommended pressure: between 2500 and 2700 psi at room temperature (approximately 70° F/21° C).

Volume: 290 ml

US Patents

Patent Pending

Warranty and Service

The manufacturer, Backcountry Access, Inc. (BCA), expressly warrants the workmanship and components of the Float 30 for three years after the date of retail purchase. All parts will be either repaired or replaced free of charge, including labor, by the manufacturer. This warranty does not cover damage to the product caused by improper use or excessive wear and tear. Direct all warranty claims to BCA or your retailer.