



Manufacturers of Tough and Durable Polyprene™ Water & Foam Tanks and PolyBilt Bodies for the Fire Industry

POLYPAK BODY SPECIFICATIONS

30-05-9900 PolyPak

The PolyPak is a unique fire fighting truck body. The PolyPak is designed to fit on your new or used light to medium duty truck and provide an extensive list of benefits for a smaller, quick attack type vehicle. The PolyPak compliments your fleet with state-of-the-art construction including Polyprene material, maximum storage space, integrated water and/or foam tank, spacious rear pump platform area and optional curved side walls for a sleek look, the ultimate in portable fire-fighting equipment at a fraction of the cost. This specification gives you specific insight into the benefits and features of a PolyBilt PolyPak.

30-05-9901 PolyPak BODY SYSTEM

The pump and plumbing shall be mounted to an integral body and water/foam chamber mounting system. The PolyPak shall include an integral Polyprene water tank, platform for pump mounting and plumbing and six (6) spacious compartments, which said front compartment shall include a transverse storage for long handled tool containment. This unit shall be integrated and mounted to the truck chassis with a proprietary spring loaded sub frame assembly.

Optional water chambers up to 500 gallons available.

INTEGRAL BODY/TANK CONSTRUCTION

The body and integral water tank shall be fabricated using Polyprene, a specially formulated high strength copolymer material; providing a durable, impact resistant, corrosion resistant, and lightweight design.

The rear pump storage area shall be sufficient for a CAFS unit.

BODY CONSTRUCTION

The body shall be fabricated using Polyprene, a specially formulated high strength, copolymer material, providing a durable, impact resistant, corrosion resistant, and lightweight body. The body shall be fabricated using Polyprene extruded sheets. Sheet thicknesses shall be 3/8", 1/2" and 3/4". All seams shall be welded pursuant to ASTM Standards. All outside corners on body shall have a minimum radius. The entire body shall be a welded one piece module, assembled and painted prior to mounting on the sub frame and the chassis.

Due to the importance of the strength and impact resistance of the copolymer material, there shall be no exception to these requirements.

Only builders who can show examples of previous copolymer constructed bodies shall be accepted.

The exterior wall can be built with a radius to give the unit cosmetic appeal and conform to the radius of the pick up truck cab.



Water Chamber - POLYPRENE

The unit shall contain a water tank that is integral to the unit. The tank shall be constructed of Polyprene material and baffled to meet the requirements of NFPA.

The water tank shall be provided with at least one (1) full-length swash partition (baffle) and a sufficient number of width-wise baffles so that the maximum dimension of any spaces in the water chamber, either transverse or longitudinal, shall not exceed 46", and not less than 23". Baffles shall have openings at both the top and bottom to permit movement of air and water between spaces to allow maximum flow requirements. Baffles shall form an integral part of the water chamber, and the design shall be to provide and maintain safe road stability regardless of water level.

Tank shall have 3" minimum overflow and air vent designed to prevent damage to the tank under high flow conditions. Tank fill tower to extend upward from hose bed the same height as body sides. Overflow is to be designed and located to prevent water loss on fast stops or starts, and is also to be located so as not to affect traction on the rear tires per NFPA #1901.

Chamber outlet connection shall be designed with an anti-swirl baffle plate above chamber outlet to prevent air from mixing with the water when pumping from the chamber.

Fill tower shall be installed on front corner of the tank on the tank top, not to interfere with removability of the lid. It shall be of adequate size, minimum 8" X 8", to accommodate overflow and vents, to have a hinged cover and screen installed.

A Limited Lifetime Warranty shall be provided from PolyBilt Body Company, LLC.

FOAM - Optional

One (1) 15 gallon foam cell may be provided, integral with the water chamber and shall have a rectangular fill tower, approximately 8" x 8", with a hinged cover and a removable screen. A drain shall be provided.

BODY/Chamber MOUNTING - A sub frame is required and is priced separately.

The body and Chamber shall be mounted via a proprietary sub frame and spring loaded mounting assembly, which can be provided.

The unit shall be constructed with a platform made out of smooth or optional matte black Polyprene sheet and bolted to the platform.

COMPARTMENTS

LEFT SIDE

1.) One (1) compartment ahead of the rear wheels, approximately 34" wide x 55" high x 23" deep. The door opening shall be approximately 31.75" wide x 50.75" high. This front compartment shall also feature a transverse element which shall be approx 13" wide and extend from the said compartment across the body to the right side compartment and is perfect for storage of shovels, rakes, and other long handled tools

in a neat and orderly fashion. The transverse feature is also available with an optional integrated back-board storage rack and a cross lay with a slide out tray.

2.) One (1) compartment over the rear wheels, approximately 45.50" wide x 37.00" high x 23" deep. The door opening shall be approximately 40.50" wide x 31.5" high.

3.) One (1) compartment behind the rear wheels, approximately 36" wide x 55" high and 23" deep. The door opening shall be approximately 33.75" wider x 50.75" high.

RIGHT SIDE

The right side shall mirror the left side.

35-90-1150 **ROLL UP DOOR CONSTRUCTION (Optional)**

Robinson or equal brand roll-up style doors shall be provided at the specified door locations.

Each door shall be manufactured in the United States. Replacement parts shall be available within 2-3 weeks.

The door slats shall be double wall box frame extrusion. The exterior surface of the slat will be flat and interior surface to be concave to prevent loose equipment from jamming the door. Door slats shall be anodized to prevent oxidation. Door slats to have interlocking end shoes on every slat to be secured by a punch dimple process. The door slats shall have interlocking joints with a folding locking flange. A PVC/vinyl inner seal to prevent any metal to metal contact shall be provided between each slat.

Each track shall be one piece construction with attaching flange and finishing flange incorporated into the design. The flange design eliminates any requirement for additional trim or caulk. Each track shall have a replaceable seal to prevent water and dust from entering the compartment.

Each assembly shall include an aluminum drip rail with a replaceable wiper seal.

Each roll-up door shall have a counterbalance spring in the roller assembly to assist in lifting and help prevent the accidental closing. A full width lift bar shall secure each door.

40-12-1000 **PAINT COLOR (Optional)**

The apparatus body may be painted per customer requirements.

