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30-05-9900 **JakPak**

The JakPak is the ultimate in portable fire-fighting equipment. The JakPak gives you the very best drop in tank and portable pump combination with spacious compartmentation and storage features. The JakPak fits your pick up fleet for maximum fire fighting capability at a fraction of the cost. This specification gives you specific insight into the benefits and features of a PolyBilt JakPak. The JakPak is easily removed to allow the vehicle to be used for other services.

30-05-9901 **JakPak BODY SYSTEM**

The pump and plumbing shall be mounted to an integral body and tank mounting system. The JakPak shall include an integral 200 gallon Polypropylene water tank, platform for pump mounting and plumbing and four (4) spacious compartments, which said front compartment shall include a transverse storage for long handled tool containment. This unit shall be portable and slide in or drop in the box bed of a typical pick up type truck.

**INTEGRAL BODY/TANK CONSTRUCTION**

The body and water tank shall be fabricated using Polypropylene, a specially formulated high strength copolymer material; providing a durable, impact resistant, corrosion resistant, and lightweight design. The water tank shall be integral with the body for maximum utilization of space.

The unit shall be 100" in length and 75.75" wide at the top level and 96" in length and 48" wide at the bottom of the tank.

The unit shall be standard 8' in length with an option to fit a smaller bed.

An optional rear storage notch is available to facilitate a slide in compressed air foam system.

**BODY CONSTRUCTION**

The body shall be fabricated using Polypropylene, a specially formulated high strength, copolymer material, providing a durable, impact resistant, corrosion resistant, and lightweight body. The body shall be fabricated using Polypropylene 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.

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 may also exhibit a radius to give the unit cosmetic appeal and comport to the radius of the pick up truck cab.



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#### **250 GALLON TANK - POLYPRENE**

Booster tank shall be constructed of Polypropylene material baffled to meet the requirements of NFPA.

The 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 tank, 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 tank, and design shall be to provide and maintain safe road stability regardless of water level.

Tank shall have an overflow and air vent designed to prevent damage to the tank under high flow conditions and enclosed in front tank filler. Tank filler 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.

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

Fill tower shall be installed on front corner of the tank on 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.

The tank shall be mounted to the skid frame work.

A limited lifetime warranty shall be provided from PolyBilt Body Company, LLC.

#### **FOAM TANK - Optional**

An optional 10 gallon foam tank may be provided, integral with the water tank and shall have a rectangular fill tower, approximately 8" x 8", with a hinged cover and a removable screen. A tank drain shall be provided inside the pump compartment.

#### **BODY/TANK MOUNTING**

The body and tank shall be portable and slide or drop in the box cargo area of a typical light duty pick up truck.

The unit shall be forkliftable with channel runners beneath the unit. The C channel may also be used for easy bolting of the unit to the box cargo area.

The unit shall be constructed of smooth or optional matte black Polypropylene sheet and can be bolted to the frame.



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## **COMPARTMENTS**

### **DRIVER SIDE**

- 1.) One (1) compartment ahead of the rear wheels and over the truck bed walls, approximately 36" wide x 26" high x 23.50" deep. The door opening shall be approximately 36" wide x 20" high.
- 2.) One (1) compartment over the rear wheels and over the truck bed walls, approximately 36" wide x 26" high x 23.50" deep. The door opening shall be approximately 36" wide x 20" high.

### **PASSENGER SIDE**

The passenger side shall mirror the driver's side.

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### **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 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.

The side roll up doors shall be in a natural aluminum brushed finish.

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### **PAINT COLOR (Optional)**

The apparatus body shall be painted per customer requirements.