



FLEX PAK

Flex Pak

Description

The Flexpak™ is a backpack tank with a hand pump for fire control by ground personnel. The pump can be equipped with a reservoir for foam concentrate. The hand pumps are made of rugged engineering grade thermoplastic by Scotty.

Backpack Features

- > Capacity - 5 USG (19 L)
- > Heavy duty; ultraviolet resistant industrial fabric, lap welded seams
- > Compact and collapsible for easy storage
- > Designed for back comfort; maximum weight is 4-1/2 lbs. (2 kg) empty and 42 lbs. (19 kg) full
- > Quick release sternum straps
- > Smooth, comfortable shoulder harness system
- > 4" (101 mm) filler cap (positive seal)
- > Built-in debris screen in fill valve
- > Extremely durable
- > Quick connect couplings to backpack
- > Field repairable

Pump Features

- > Rust proof
- > Designed for easy field maintenance
- > Can be operated with left or right hand
- > Garden hose threads
- > Brass cylinder with hi-impact plastic cover
- > Field repairable

Options

- > Regular or foam pump with air aspirated nozzle and concentrate reservoir 16 fl. oz. (500 ml)
- > Repair kits available for backpacks and pumps

The Flexpak offers several advantages over traditional "metal can" style backpacks for fire control. The 5 USG (19 Liters) bladder that makes up the backpack is softer and more comfortable to wear. It also gives the advantage of being able to store away rolled up in a more compact and portable package when not in use. The shoulder harness system is easy to use, with a quick release sternum strap and padding to provide more comfort in the upper shoulder area. The bladder and its components will not rust or corrode, as metal cans will.





The heavy duty, industrial grade welded fabric is strong, UV and mildew resistant, and is compatible with batch mixes of various firefighting chemicals. The RF lap-welding process gives the Flexpak strength advantages over other types of flexible backpacks. Also, when firefighters mix chemicals into many types of soft packs, the fabric will degrade causing leaks, pump problems, and a generally shorter service life-span. The Flexpak bladder uses a fabric that is chemically resistant to this type of degradation.

Both designs of the Flexpak pump offer several advantages when compared to the brass trombone pumps that accompany most other metal or soft backpacks. The pumps have a brass inner cylinder/piston with a high impact, nylon reinforced plastic outer cover. The plastic has a two-fold advantage; lightweight, and protection. Many a brass pump has been rendered useless after being dented from the outside. This usually translates into inner cylinder damage that will slow or stop the travel of the shaft inside. The plastic sheath of the Flexpak pump protects it from blow-afterblow, reducing the chance of having to replace the whole unit due to a dent.

Another clear advantage of these pumps is that they are completely field repairable. The checkvalve portion of the pump is home to only 6 movable parts that are easily accessed. Most brass trombone pumps have an excess of 40 different pieces involved in the valving. Less parts means less possible things to go wrong and easy to fix in the field.

The foam pump version, with its 1% foam inductor and 500 ml (17 oz) bottle, eliminates the need to batch mix messy foam concentrates in the backpack. The concentrate is simply poured into the bottle, the bottle attached, and the pumping action of the user inducts foam into the water stream at the pump. The yellow 3GPM (11.4 Liter) nozzle provided with the foam pump serves to help agitate and expand the bubble action of the Flexpak foam pump.

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