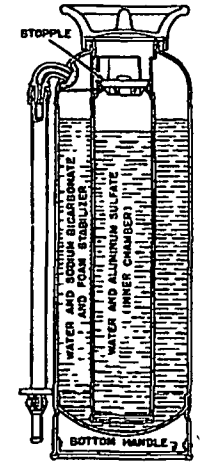


Operation Can be operated intermittently by removing locking ring and squeezing combination operating lever-handle. Extinguisher is pressurized with air or inert gas through a hose line equipped with an automobile-type air chuck. Charging pressures vary from 90 to 150 psi Direct the stream at the base of the fire, then follow up after the flames while working from side-to-side or around the fire if possible.

Maintenance. Check pressure, hose, and nozzle frequently. When charging extinguisher, fill only to water level mark so there will be sufficient room for pressurized air Some models have an overfill tube that ensures filling to the proper level When pressurizing, the gauge should indicate just above the full mark, then, when the pressure equalizes, it will not read less than full After charging, let it stand for 24 hr to check for leaks

Caution. Protect from freezing. Be sure shell is the corrosive-resistant type before adding antifreeze charge Do not refill with loaded-stream charge unless extinguisher is designated as loaded-stream type

Fig. 34-17. Stored pressure water fire extinguisher May be labeled "loaded stream" if charged with a special alkali-metal-salt solution instead of water.



Operation. When the extinguisher is inverted, the lead stopple covering the water and aluminum sulfate chamber drops and permits the solution to mix with the water/sodium bicarbonate/foam stabilizer solution and produce foam. The chemical reaction releases CO_2 gas with sufficient pressure to expel the foam. For Class B fires in open containers, direct the stream against the back inside wall of the container—*never discharge the foam stream directly into the burning liquid* because it may cause the fire to spread out of the container On spill fires, stand back and gently arc the stream For Class A fires, aim the foam directly at the base of the flames

Maintenance. Inspect periodically, discharge and recharge annually. Check for bent discharge elbow, corrosion, and other mechanical injury. Thoroughly clean interior, flush out hose and nozzle and clean outlet screen Mix chemicals in clean containers and strain into their respective chambers.

Caution Store in heated cabinet because an antifreeze solution cannot be used to protect from temperatures below 40 F, do not subject to temperatures above 120 F.

Fig 34-18. Foam fire extinguisher