

**WHEELED HALOTRON I™  
65 LB. AND 150 LB.  
CLEAN GAS STORED PRESSURE  
FIRE EXTINGUISHERS**



**HALOTRON I  
EXTINGUISHING MECHANISM  
AND FEATURES**

Halotron I is a clean fire extinguishing agent that is discharged as a precisely dispersed rapidly evaporating liquid. The primary extinguishing mechanism of Halotron I is the absorption and removal of heat from the combustion zone. To a lesser extent, the extinguishing mechanism is the displacement of oxygen from the combustion zone.

**APPLICATIONS**

Halotron I is designed to protect extremely valuable, delicate, and sensitive hazards or areas where other dry or wet extinguishing agents, including water, could cause irreparable damage. This clean agent leaves no residue.

It is recommended for use in locations such as airports, storage facilities, manufacturing plants, processing operations, rail yards, utility relay stations, and flammable liquid and gas processing facilities.

## FEATURES

- DOT approved cylinders with plated brass valve assemblies. The cylinders are manufactured to DOT Specification 4BW240. The valves are designed and manufactured to Buckeye's rigid standard of quality.
- Highly visible pressure indicating gauge.
- The cylinders and carts are shot blasted, primed, and then coated with a baked-on polyester powder coat. This tough finish easily stands up to the rigorous UL 240 hour salt spray test requirements.
- Tow loops are standard on the 150 lb. model and are available upon request for the 65 lb. model.
- The unit's booster hoses are UL Listed and are coupled with plated brass fittings. The hose lengths are as shown in the Specification Chart below.
- Both models are equipped with all-weather semipneumatic 16" dia. X 4" wide tires that allow for easy passage through narrow doors and walkways by a single operator.
- Built to ANSI/UL 2129 and 711 Standards.
- Stationary models are also available similar to above less wheels and tow loop.

SPECIFICATIONS		
Model Number	W-65	W-150
Part Number	76500	71500
Agent	Halotron I	
Capacity	65 lbs (29.5 kg)	150 lbs. (68 kg)
UL Rating	4A:40B:C	10A:80B:C
Operating Temperature	-40° to 120° F (-40° to 49° C)	
Argon Charge	125 psi (863 kPa)	
Hose Length	25 ft (7.62 m)	40 ft. (12.19 m)
Hose Diameter	¾ in. (1.90 cm)	
Tires	16 in. X 4 in. (40.64 cm X 10.16 cm)	
Overall Height	50 in. (127 cm)	62 in. (157.5 cm)
Overall Width	24 in (60.96 cm)	
Overall Depth	41.5 in (105.41 cm)	
Shipping Weight	300 lbs. (136 kg)	480 lbs. (218 kg)
Cylinder Test Pressure	480 psi (1656 kPa)	
Cylinder Burst Pressure	1200 psi minimum (8280 kPa minimum)	
Discharge Time	17 seconds	23 seconds
Discharge Range	15-25 ft (4.57-7.62 m)	25-35 ft (7.62-10.67 m)
USCG Approval	N/A	

## STATISTICAL DATA

**Atmospheric Lifetime:** 3.5 to 11 years

**Global Warming Potential (GWP):** Low. 0.04 – 0.24 (CFC-11-1-0)

**Ozone Depletion Potential (ODP):** Extremely low. Less than 0.014 (CFC-11-1-0). By comparison, Halon has an ODP greater than 4.0. The ODP of Halotron I is more than 12 times lower than the EPA maximum permissible ODP of 0.20.

**Electrically Nonconductive:** Does not cause thermal shock to sensitive electronic equipment.

## PRODUCT DESCRIPTION

Halotron I is a hydrochlorofluorocarbon nonconductive agent pressurized with argon. It is approved by the EPA and FAA as HCFC Blend B for use on Class A, B, and C type fires. Halotron I has a very low Ozone Depletion Potential and meets Global Warming Potential and toxicity standards. This agent is an excellent replacement for Halon 1211.

A comparison of Halon 1211 and Halotron I chemical properties is presented in the chart below.

Property	Halon 1211	Halotron I
Chemical Formula <sup>1</sup>	CF <sub>2</sub> ClBr	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub> (HCFC-123)
Ozone Depletion Potential (CFC-11=1.9)	4	0.014
Global Warming Potential <sup>2</sup> (CFC-11=1.9)	Not Calculated	0.04 to 0.24
Atmospheric Lifetime <sup>3</sup>	12.5 to > 25 years	3.5 to 11 years
Molecular Weight	165.4	150.7
Boiling Point	25°F (-4°C)	90.6°F (27°C)
Liquid Density at 25°C (76°F)	1.79kg/Ē (111.6 lbs/cu. ft)	1.48kg/Ē (92.3 lbs/cu. ft)
Vapor Pressure at 25°C (76°F)	2.67 bar (38.7 psi)	6.55 bar (95 psi) <sup>4</sup>
Extinguishing Concentration n-heptane Cup Burner	3 - 5% by volume	6 – 7% by volume
Extinguishing Concentration REMP Method <sup>5</sup>	4 – 5	6 – 7
Acute Toxicity: Cardiolox LOAEL <sup>6</sup>	1.0%	2.0%
Acute Toxicity: Cardiolox NOAEL <sup>6</sup>	0.5%	1.0%
Acute Toxicity: ALC, LC (4 hrs)	3.1 to 10%	> 3%

1. Halotron is a proprietary blend of HCFC-123, an inert material.
2. Calculated values from a range of environmental models.
3. At 1 atmosphere, 70% fill ratio, 1 kg / X filling density.
4. In a typical storage container (vapor pressure of liquid alone is less).
5. Method developed at Lund University, Sweden. Ratio of agent to fuel using propane.
6. Data from US EPA.