

# Operational Characteristics of Portable Fire Extinguishers

EXTINGUISHER	TYPE	AGENT	FIRE CLASS	SIZE	STREAM REACH	DISCHARGE TIME
Pump-Tank Water	Hand-carried backpack	Water	A only	1 ½ - 5 gal (6L to 20L)	30-40 ft (9.1m to 12.2m)	45 sec to 3 min
	Hand-carried	Water	A only	1 ¼-2 ½ gal (5L to 10L)	30-40 ft (9.1m to 12.2 m)	30-60 sec
AFFF	Hand-carried	Foam	A & B	2 ½ gal (10L)	20-25 ft (6.1m to 7.6m)	Approximately 50 sec
	Hand-carried wheeled	Halon	B & C	Hand-carried: 2 ½-20lb (1 kg to 9kg) Wheeled: 150lb (68kg)	8-18 ft (2.4m to 5.5m) 20-35 ft (6.1m to 10.7 m)	8-18 sec 30-44 sec
Halon 1301	Hand-carried	Halon	B & C	2 ½ lb (1kg)	4-6 ft (1.2m to 1.8m)	8-10 sec
	Hand-carried	Carbon dioxide	B & C	2 ½-20lb (1kg to 9 kg)	3-8 ft (1m to 2.4m)	8-30 sec
Carbon Dioxide	Wheeled	Carbon Dioxide	B & C	50-100 lb (23 kg to 45 kg)	8-10 ft (2.4m to 3m)	26-65 sec
	Hand-carried stored-pressure; cartridge-operated	Sodium bicarbonate, potassium bicarbonate, ammonium, phosphate, potassium chloride	B & C	2 ½-30 lb (1kg to 14 kg)	5-20 ft (1.5m to 6.1m)	8-25 sec
Multipurpose Dry Chemical	Hand-carried stored-pressure; cartridge-operated	Monoammonium phosphate	A, B & C	2 ½-30 lb (1kg to 14kg)	5-20 ft (1.5m to 6.1m)	8-25 sec
	Wheeled; ordinary or multipurpose		A, B & C	75-350 lb (34 kg to 159kg)	Up to 45 ft (13.7m)	20 sec to 2 min