

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A: 1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	8-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb (wheeled)	20 ft	35 sec	No	160-B:C
	Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
	Cartridge or Stored Pressure	5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
	Cartridge or Stored Pressure	15 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
	Cartridge or Stored Pressure	18 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*	
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A	
		4 gal	30-40 ft	2 min	Yes	3-A	
		5 gal	30-40 ft	2-3 min	Yes	4-A	
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A	
		Carbon Dioxide Cylinder (wheeled)	25 gal	35 ft	1½ min	Yes	10-A
		Carbon Dioxide Cylinder (wheeled)	45 gal	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Chemically generated expellant	60 gal (wheeled)	35 ft	2½ min	Yes	40-A	
		2½ gal	30-40 ft	1 min	Yes	2-A	
		17 gal (wheeled)	50 ft	3 min	Yes	10-A	
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A	
		2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B	
		33 gal (wheeled)	50 ft	3 min	No	20-A	
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B	
		17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B	
		33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B	
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B	
		33 gal	30 ft	1 min	Yes	20-A:160-B	
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C	
		10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C	
		20 lb	3-8 ft	10 to 30 sec	No	10-B:C	
		50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C	
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C	
		2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C	
		6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C	
		50 lb (wheeled)	20 ft	35 sec	No	160-B:C	
		Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C	
		5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C	
		16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C	
		48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C	
		Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C	

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
Water (Wetting Agent)	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb	30 ft	25 sec	No	160-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder (wheeled)	25 gal	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder (wheeled)	45 gal	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder (wheeled)	60 gal	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant (wheeled)	17 gal	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant (wheeled)	33 gal	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder (wheeled)	33 gal	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant (wheeled)	17 gal	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant (wheeled)	33 gal	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¼ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb	30 ft	25 sec	No	160-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
		4 gal	30-40 ft	2 min	Yes	3-A
		5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
		25 gal (wheeled)	35 ft	1½ min	Yes	10-A
		45 gal (wheeled)	35 ft	2 min	Yes	30-A
	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
Water (Soda-Acid)	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
		17 gal (wheeled)	50 ft	3 min	Yes	10-A
		33 gal (wheeled)	50 ft	3 min	Yes	20-A
Loaded Stream	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
		33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
		17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
		33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
		33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
		10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
		20 lb	3-8 ft	10 to 30 sec	No	10-B:C
		50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
		2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
		6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
		50 lb (wheeled)	20 ft	35 sec	No	160-B:C
		Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
		5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
		16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
		48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C
		Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-15 ft	30 to 80 sec	No
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb (wheeled)	20 ft	35 sec	No	160-B:C
	Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
	Cartridge or Stored Pressure	5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
	Cartridge or Stored Pressure	16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
	Cartridge or Stored Pressure	48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to	No	5 to 10-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb (wheeled)	20 ft	35 sec	No	160-B:C
	Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
	Cartridge or Stored Pressure	5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
	Cartridge or Stored Pressure	16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
	Cartridge or Stored Pressure	48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
		4 gal	30-40 ft	2 min	Yes	3-A
		5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
		25 gal (wheeled)	35 ft	1½ min	Yes	10-A
		45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Chemically generated expellant	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
		2½ gal	30-40 ft	1 min	Yes	2-A
		17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	Yes	20-A
		2½ gal	30-40 ft	1 min	No	2 to 3-A; 1-B
		33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A-4 to 6-B
		17 gal (wheeled)	50 ft	3 min	Yes	10-A, 10 to 12-B
		33 gal (wheeled)	50 ft	3 min	Yes	20-A 20 to 40-B
AFFF, FFFP	Stored Pressure Nitrogen Cylinder	2½ gal	20-25 ft	50 sec	Yes	3-A, 20 to 40-B
		33 gal	30 ft	1 min	Yes	20-A; 160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B, C
		10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B, C
		20 lb	3-8 ft	10 to 30 sec	No	10-B, C
		50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B, C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B, C
		2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B, C
		6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B, C
		50 lb (wheeled)	20 ft	35 sec	No	160-B, C
		75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B, C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B, C
		5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B, C
		16 to 30 lb	10-20 ft	8 to 25 sec	No	10 to 120-B, C
		48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B, C
		125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B, C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B, C



Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*	
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A	
		4 gal	30-40 ft	2 min	Yes	3-A	
		5 gal	30-40 ft	2-3 min	Yes	4-A	
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A	
		Carbon Dioxide Cylinder (wheeled)	25 gal	35 ft	1½ min	Yes	10-A
		Carbon Dioxide Cylinder (wheeled)	45 gal	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Chemically generated expellant	60 gal (wheeled)	35 ft	2½ min	Yes	40-A	
		2½ gal	30-40 ft	1 min	Yes	2-A	
		17 gal (wheeled)	50 ft	3 min	Yes	10-A	
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A	
		Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
		Carbon Dioxide Cylinder (wheeled)	33 gal	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B	
		17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B	
		33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B	
AFFF, FFFP	Stored Pressure Nitrogen Cylinder	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B	
		33 gal	30 ft	1 min	Yes	20-A:160-B	
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C	
		10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C	
		20 lb	3-8 ft	10 to 30 sec	No	10-B:C	
		50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C	
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C	
		Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
		Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
		Stored Pressure (wheeled)	50 lb	20 ft	35 sec	No	160-B:C
		Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C	
		5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C	
		16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C	
		48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C	
		Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C	

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
		4 gal	30-40 ft	2 min	Yes	3-A
		5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
		25 gal (wheeled)	35 ft	1½ min	Yes	10-A
		45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Chemically generated expellant	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
		2½ gal	30-40 ft	1 min	Yes	2-A
		17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
		2½ gal	30-40 ft	1 min	No	2 to 3-A; 1-B
		33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Stored Pressure or Cartridge	2½ gal	30-40 ft	1½ min	Yes	2-A; 4 to 6-B
		17 gal (wheeled)	50 ft	3 min	Yes	10-A; 10 to 12-B
		33 gal (wheeled)	50 ft	3 min	Yes	20-A; 20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A; 20 to 40-B
		33 gal	30 ft	1 min	Yes	20-A; 160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B-C
		10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B-C
		20 lb	3-8 ft	10 to 30 sec	No	10-B-C
		50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B-C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B-C
		2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B-C
		6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B-C
		50 lb (wheeled)	20 ft	35 sec	No	160-B-C
		75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B-C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B-C
		5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B-C
		16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B-C
		48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B-C
		125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B-C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B-C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Water	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
Water (Wetting Agent)	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
Water (Soda-Acid)	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
Loaded Stream	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
Foam	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
AFFF, FFFP	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Carbon Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Dry Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb (wheeled)	20 ft	35 sec	No	160-B:C
	Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Dry Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
	Cartridge or Stored Pressure	5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
	Cartridge or Stored Pressure	16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
	Cartridge or Stored Pressure	48 to 50 lb (wheeled)	20 ft	30 to 35 sec	No	120 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	125 to 315 lb (wheeled)	15-45 ft	30 to 80 sec	No	80 to 640-B:C
Dry Chemical (Potassium Chloride)	Cartridge or Stored Pressure	2 to 5 lb	5-8 ft	8 to 10 sec	No	5 to 10-B:C

Table A-2-1 Characteristics of Extinguishers

Extinguishing Agent	Method of Operation	Capacity	Horizontal Range of Stream	Approximate Time of Discharge	Protection Required Below 40°F (4°C)	UL or ULC Classifications*
Wetting Agent)	Stored Pressure, Cartridge, or Pump	2½ gal	30-40 ft	1 min	Yes	2-A
	Pump	4 gal	30-40 ft	2 min	Yes	3-A
	Pump	5 gal	30-40 ft	2-3 min	Yes	4-A
	Stored Pressure	1½ gal	20 ft	30 sec	Yes	2-A
	Carbon Dioxide Cylinder	25 gal (wheeled)	35 ft	1½ min	Yes	10-A
Soda-Acid)	Carbon Dioxide Cylinder	45 gal (wheeled)	35 ft	2 min	Yes	30-A
	Carbon Dioxide Cylinder	60 gal (wheeled)	35 ft	2½ min	Yes	40-A
	Chemically generated expellant	2½ gal	30-40 ft	1 min	Yes	2-A
Stream	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A
	Stored Pressure or Cartridge	2½ gal	30-40 ft	1 min	No	2 to 3-A:1-B
	Carbon Dioxide Cylinder	33 gal (wheeled)	50 ft	3 min	No	20-A
	Chemically generated expellant	2½ gal	30-40 ft	1½ min	Yes	2-A:4 to 6-B
FFP	Chemically generated expellant	17 gal (wheeled)	50 ft	3 min	Yes	10-A:10 to 12-B
	Chemically generated expellant	33 gal (wheeled)	50 ft	3 min	Yes	20-A:20 to 40-B
	Stored Pressure	2½ gal	20-25 ft	50 sec	Yes	3-A:20 to 40-B
	Nitrogen Cylinder	33 gal	30 ft	1 min	Yes	20-A:160-B
Dioxide**	Self-Expelling	2½ to 5 lb	3-8 ft	8 to 30 sec	No	1 to 5-B:C
	Self-Expelling	10 to 15 lb	3-8 ft	8 to 30 sec	No	2 to 10-B:C
	Self-Expelling	20 lb	3-8 ft	10 to 30 sec	No	10-B:C
	Self-Expelling	50 to 100 lb (wheeled)	3-10 ft	10 to 30 sec	No	10 to 20-B:C
Chemical (Sodium Bicarbonate)	Stored Pressure	1 to 2½ lb	5-8 ft	8 to 12 sec	No	2 to 10-B:C
	Cartridge or Stored Pressure	2¾ to 5 lb	5-20 ft	8 to 25 sec	No	5 to 20-B:C
	Cartridge or Stored Pressure	6 to 30 lb	5-20 ft	10 to 25 sec	No	10 to 160-B:C
	Stored Pressure	50 lb (wheeled)	20 ft	35 sec	No	160-B:C
	Nitrogen Cylinder or Stored Pressure	75 to 350 lb (wheeled)	15-45 ft	20 to 105 sec	No	40 to 320-B:C
Chemical (Potassium Bicarbonate)	Cartridge or Stored Pressure	2 to 5 lb	5-12 ft	8 to 10 sec	No	5 to 30-B:C
	Cartridge or Stored Pressure	5½ to 10 lb	5-20 ft	8 to 20 sec	No	10 to 80-B:C
	Cartridge or Stored Pressure	16 to 30 lb	10-20 ft	8 to 25 sec	No	40 to 120-B:C
	Cartridge or Stored Pressure	48 to 50 lb	20 ft	30 to	No	120 to 160-B:C

	Cartridge or Stored Pressure	5 to 9 lb	8-12 ft	10 to 15 sec	No	20 to 40-B:C
	Cartridge or Stored Pressure	9½ to 20 lb	10-15 ft	15 to 20 sec	No	40 to 60-B:C
	Cartridge or Stored Pressure	19½ to 30 lb	5-20 ft	10 to 25 sec	No	60 to 80-B:C
	Cartridge or Stored Pressure	125 to 200 lb (wheeled)	15-45 ft	30 to 40 sec	No	160-B:C
Dry Chemical (Ammonium Phosphate)	Stored Pressure	1 to 5 lb	5-12 ft	8 to 10 sec	No	1 to 5-A† and 2 to 10-B:C
	Stored Pressure or Cartridge	2½ to 9 lb	5-12 ft	8 to 15 sec	No	1 to 4-A and 10 to 40-B:C
	Stored Pressure or Cartridge	9 to 17 lb	5-20 ft	10 to 25 sec	No	2 to 20-A and 10 to 80-B:C
	Stored Pressure or Cartridge	17 to 30 lb	5-20 ft	10 to 25 sec	No	3 to 20-A and 30 to 120-B:C
	Stored Pressure or Cartridge	45 to 50 lb (wheeled)	20 ft	25 to 35 sec	No	20 to 301-A 80 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	110 to 315 lb (wheeled)	15-45 ft	30 to 60 sec	No	20 to 40-A and 60 to 320-B:C
Dry Chemical (Foam Compatible)	Cartridge or Stored Pressure	4¾ to 9 lb	5-20 ft	8 to 10 sec	No	10 to 20-B:C
	Cartridge or Stored Pressure	9 to 27 lb	5-20 ft	10 to 25 sec	No	20 to 30-B:C
	Cartridge or Stored Pressure	18 to 30 lb	5-20 ft	10 to 25 sec	No	40 to 60-B:C
	Nitrogen Cylinder or Stored Pressure	150 to 350 lb (wheeled)	15-45 ft	20 to 150 sec	No	80 to 240-B:C
Dry Chemical (Potassium Bicarbonate Urea based)	Stored Pressure	5 to 11 lb	11-22 ft	18 sec	No	40 to 80-B:C
	Stored Pressure	9 to 23 lb	15-30 ft	17 to 33 sec	No	60 to 160-B:C
		175 lb (wheeled)	70 ft	62 sec	No	480-B:C
Halon 1301 (Bromotrifluoromethane)	Stored Pressure	2½ lb	4-6 ft	8 to 10 sec	No	2-B:C
Halon 1211 (Bromochlorodifluoromethane)	Stored Pressure	.09 to 2 lb	6-10 ft	8 to 10 sec	No	1 to 2-B:C
		2 to 3 lb	6-10 ft	8 to 10 sec	No	5-B:C
		5½ to 9 lb	9-15 ft	8 to 15 sec	No	1-A:10-B:C
		13 to 22 lb	14-16 ft	10 to 18 sec	No	2 to 4-A and 20 to 80-B:C
		50 lb (wheeled)	35 ft	30 sec	No	10-A:120-B:C
		150 lb (wheeled)	20-35 ft	30 to 44 sec	No	30-A:160 to 240-B:C
Halon 1211/1301 (Bromochlorodifluoromethane Bromotrifluoromethane) mixtures	Stored Pressure or Self-Expelling	0.9 to 5 lb	3-12 ft	8 to 10 sec	No	1 to 10-B:C
	Stored Pressure	9 to 20 lb	10-18 ft	10 to 22 sec	No	1-A:10-B:C to 4-A:80-B:C

## Notes to Table A-2-1

\*UL and L&C ratings checked as of July 24, 1987. Readers concerned with subsequent ratings should review the pertinent "lists" and "supplements" issued by these laboratories: Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062, or Underwriters Laboratories of Canada, 7 Crouse Road, Scarborough, Ont., Canada M1R 3A9.

\*\*Carbon dioxide extinguishers with metal horns do not carry a "C" classification.

†Some small extinguishers containing ammonium phosphate-base dry chemical do not carry an "A" classification.

| NOTE: Halon should be used only where its unique properties are deemed necessary.

	Cartridge or Stored Pressure	5 to 9 lb	8-12 ft	10 to 15 sec	No	20 to 40-B:C
	Cartridge or Stored Pressure	9½ to 20 lb	10-15 ft	15 to 20 sec	No	40 to 60-B:C
	Cartridge or Stored Pressure	19½ to 30 lb	5-20 ft	10 to 25 sec	No	60 to 80-B:C
	Cartridge or Stored Pressure	125 to 200 lb (wheeled)	15-45 ft	30 to 40 sec	No	160-B:C
Dry Chemical (Ammonium Phosphate)	Stored Pressure	1 to 5 lb	5-12 ft	8 to 10 sec	No	1 to 5-A† and 2 to 10-B:C
	Stored Pressure or Cartridge	2½ to 9 lb	5-12 ft	8 to 15 sec	No	1 to 4-A and 10 to 40-B:C
	Stored Pressure or Cartridge	9 to 17 lb	5-20 ft	10 to 25 sec	No	2 to 20-A and 10 to 80-B:C
	Stored Pressure or Cartridge	17 to 30 lb	5-20 ft	10 to 25 sec	No	3 to 20-A and 30 to 120-B:C
	Stored Pressure or Cartridge	45 to 50 lb (wheeled)	20 ft	25 to 35 sec	No	20 to 301-A 80 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	110 to 315 lb (wheeled)	15-45 ft	30 to 60 sec	No	20 to 40-A and 60 to 320-B:C
Dry Chemical (Foam Compatible)	Cartridge or Stored Pressure	4¾ to 9 lb	5-20 ft	8 to 10 sec	No	10 to 20-B:C
	Cartridge or Stored Pressure	9 to 27 lb	5-20 ft	10 to 25 sec	No	20 to 30-B:C
	Cartridge or Stored Pressure	18 to 30 lb	5-20 ft	10 to 25 sec	No	40 to 60-B:C
	Nitrogen Cylinder or Stored Pressure	150 to 350 lb (wheeled)	15-45 ft	20 to 150 sec	No	80 to 240-B:C
Dry Chemical (Potassium Bicarbonate Urea based)	Stored Pressure	5 to 11 lb	11-22 ft	18 sec	No	40 to 80-B:C
	Stored Pressure	9 to 23 lb	15-30 ft	17 to 33 sec	No	60 to 160-B:C
		175 lb (wheeled)	70 ft	62 sec	No	480-B:C
Halon 1301 (Bromotrifluoromethane)	Stored Pressure	2½ lb	4-6 ft	8 to 10 sec	No	2-B:C
Halon 1211 (Bromochlorodifluoromethane)	Stored Pressure	.09 to 2 lb	6-10 ft	8 to 10 sec	No	1 to 2-B:C
		2 to 3 lb	6-10 ft	8 to 10 sec	No	5-B:C
		5½ to 9 lb	9-15 ft	8 to 15 sec	No	1-A-10-B:C
		13 to 22 lb	14-16 ft	10 to 18 sec	No	2 to 4-A and 20 to 80-B:C
		50 lb (wheeled)	35 ft	30 sec	No	10-A-120-B:C
Halon 1211/1301 (Bromochlorodifluoromethane Bromotrifluoromethane) mixtures	Stored Pressure or Self-Expelling	0.9 to 3 lb	3-12 ft	8 to 10 sec	No	1 to 10-B:C
		150 lb (wheeled)	20-35 ft	30 to 44 sec	No	30-A, 160 to 240-B:C
	Stored Pressure	9 to 20 lb	10-18 ft	10 to 22 sec	No	1-A, 10-B:C to 4-A-80-B:C

## Notes to Table A-2.1

\*UL and ULC ratings checked as of July 29, 1987. Readers concerned with subsequent ratings should review the pertinent "lists" and "supplements" issued by these laboratories. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062, or Underwriters Laboratories of Canada, 7 Grouse Road, Scarborough, Ont., Canada M1R 3A9.

\*\*Carbon dioxide extinguishers with metal horns do not carry a "C" classification.

†Some small extinguishers containing ammonium phosphate-base dry chemical do not carry an "A" classification.

‡NOTE: Halon should be used only where its unique properties are deemed necessary.

	Cartridge or Stored Pressure	5 to 9 lb	8-12 ft	10 to 15 sec	No	20 to 40-B:C
	Cartridge or Stored Pressure	9½ to 20 lb	10-15 ft	15 to 20 sec	No	40 to 60-B:C
	Cartridge or Stored Pressure	19½ to 30 lb	5-20 ft	10 to 25 sec	No	60 to 80-B:C
	Cartridge or Stored Pressure	125 to 200 lb (wheeled)	15-45 ft	30 to 40 sec	No	160-B:C
Dry Chemical (Ammonium Phosphate)	Stored Pressure	1 to 5 lb	5-12 ft	8 to 10 sec	No	1 to 5-A† and 2 to 10-B:C
	Stored Pressure or Cartridge	2½ to 9 lb	5-12 ft	8 to 15 sec	No	1 to 4-A and 10 to 40-B:C
	Stored Pressure or Cartridge	9 to 17 lb	5-20 ft	10 to 25 sec	No	2 to 20-A and 10 to 80-B:C
	Stored Pressure or Cartridge	17 to 30 lb	5-20 ft	10 to 25 sec	No	3 to 20-A and 30 to 120-B:C
	Stored Pressure or Cartridge	45 to 50 lb (wheeled)	20 ft	25 to 35 sec	No	20 to 301-A and 80 to 160-B:C
	Nitrogen Cylinder or Stored Pressure	110 to 315 lb (wheeled)	15-45 ft	30 to 60 sec	No	20 to 40-A and 60 to 320-B:C
Dry Chemical (Foam Compatible)	Cartridge or Stored Pressure	4¾ to 9 lb	5-20 ft	8 to 10 sec	No	10 to 20-B:C
	Cartridge or Stored Pressure	9 to 27 lb	5-20 ft	10 to 25 sec	No	20 to 30-B:C
	Cartridge or Stored Pressure	18 to 30 lb	5-20 ft	10 to 25 sec	No	40 to 60-B:C
	Nitrogen Cylinder or Stored Pressure	150 to 350 lb (wheeled)	15-45 ft	20 to 150 sec	No	80 to 240-B:C
Dry Chemical (Potassium Bicarbonate Urea based)	Stored Pressure	5 to 11 lb	11-22 ft	18 sec	No	40 to 80-B:C
	Stored Pressure	9 to 23 lb	15-30 ft	17 to 33 sec	No	60 to 160-B:C
		175 lb (wheeled)	70 ft	62 sec	No	480-B:C
Halon 1301 (Bromotrifluoromethane)	Stored Pressure	2½ lb	4-6 ft	8 to 10 sec	No	2-B:C
Halon 1211 (Bromochlorodifluoromethane)	Stored Pressure	.09 to 2 lb	6-10 ft	8 to 10 sec	No	1 to 2-B:C
		2 to 3 lb	6-10 ft	8 to 10 sec	No	5-B:C
		5½ to 9 lb	9-15 ft	8 to 15 sec	No	1-A; 10-B:C
		13 to 22 lb	14-16 ft	10 to 18 sec	No	2 to 4-A and 20 to 80-B:C
		50 lb (wheeled)	35 ft	30 sec	No	10-A; 120-B:C
		150 lb (wheeled)	20-35 ft	30 to 44 sec	No	30-A; 160 to 240-B:C
Halon 1211/1301 (Bromochlorodifluoromethane Bromotrifluoromethane mixtures)	Stored Pressure or Self-Expelling	0.9 to 5 lb	3-12 ft	8 to 10 sec	No	1 to 10-B:C
	Stored Pressure	9 to 20 lb	10-18 ft	10 to 22 sec	No	1-A; 10-B:C to 4-A; 80-B:C

## Notes to Table A-2-1

\*UL and ULC ratings checked as of July 24, 1987. Readers concerned with subsequent ratings should review the pertinent "lists" and "supplements" issued by these laboratories. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062, or Underwriters Laboratories of Canada, 7 Crouse Road, Scarborough, Ont., Canada M1R 3A9

\*\*Carbon dioxide extinguishers with metal horns do not carry a "C" classification

†Some small extinguishers containing ammonium phosphate base dry chemical do not carry an "A" classification

NOTE: Halon should be used only where its unique properties are deemed necessary.

	Cartridge or Stored Pressure	5 to 9 lb	8-12 ft	10 to 15 sec	No	20 to 40-B C
	Cartridge or Stored Pressure	9½ to 20 lb	10-15 ft	15 to 20 sec	No	40 to 60-B,C
	Cartridge or Stored Pressure	19½ to 30 lb	5-20 ft	10 to 25 sec	No	60 to 80-B C
	Cartridge or Stored Pressure	125 to 200 lb (wheeled)	15-45 ft	30 to 40 sec	No	160-B C
Dry Chemical (Ammonium Phosphate)	Stored Pressure	1 to 5 lb	5-12 ft	8 to 10 sec	No	1 to 5-A† and 2 to 10-B C
	Stored Pressure or Cartridge	2½ to 9 lb	5-12 ft	8 to 15 sec	No	1 to 4-A and 10 to 40-B C
	Stored Pressure or Cartridge	9 to 17 lb	5-20 ft	10 to 25 sec	No	2 to 20-A and 10 to 80-B C
	Stored Pressure or Cartridge	17 to 30 lb	5-20 ft	10 to 25 sec	No	3 to 20-A and 30 to 120-B-C
	Stored Pressure or Cartridge	45 to 50 lb (wheeled)	20 ft	25 to 35 sec	No	20 to 301-A, 80 to 160-B-C
	Nitrogen Cylinder or Stored Pressure	110 to 315 lb (wheeled)	15-45 ft	30 to 60 sec	No	20 to 40-A and 60 to 320-B C
Dry Chemical (Foam Compatible)	Cartridge or Stored Pressure	4¾ to 9 lb	5-20 ft	8 to 10 sec	No	10 to 20-B-C
	Cartridge or Stored Pressure	9 to 27 lb	5-20 ft	10 to 25 sec	No	20 to 30-B C
	Cartridge or Stored Pressure	18 to 30 lb	5-20 ft	10 to 25 sec	No	40 to 60-B-C
	Nitrogen Cylinder or Stored Pressure	150 to 350 lb (wheeled)	15-45 ft	20 to 150 sec	No	80 to 240-B-C
Dry Chemical (Potassium Bicarbonate Urea based)	Stored Pressure	5 to 11 lb	11-22 ft	18 sec	No	40 to 80-B C
	Stored Pressure	9 to 23 lb	15-30 ft	17 to 33 sec	No	60 to 160-B C
		175 lb (wheeled)	70 ft	62 sec	No	480-B,C
Halon 1301 (Bromotrifluoromethane)	Stored Pressure	2½ lb	4-6 ft	8 to 10 sec	No	2-B,C
Halon 1211 (Bromochlorodifluoromethane)	Stored Pressure	.09 to 2 lb	6-10 ft	8 to 10 sec	No	1 to 2-B-C
		2 to 3 lb	6-10 ft	8 to 10 sec	No	5-B,C
		5½ to 9 lb	9-15 ft	8 to 15 sec	No	1-A 10-B C
		13 to 22 lb	11-16 ft	10 to 18 sec	No	2 to 4-A and 20 to 80-B,C
		70 lb (wheeled)	35 ft	30 sec	No	10-A, 120-B,C
Halon 1211/1301 (Bromochlorodifluoromethane-Bromotrifluoromethane) mixtures	Stored Pressure or Self-Expelling	0.9 to 5 lb	3-12 ft	8 to 10 sec	No	1 to 10-B,C
		150 lb	20-35 ft	30 to 44 sec	No	30-A, 160 to 240-B,C
	Stored Pressure	9 to 20 lb	10-18 ft	10 to 22 sec	No	1-A, 10-B,C, to 4-A, 80-B,C

## Notes to Table A-2-1

\*UL and ULC ratings checked as of July 21, 1987. Readers concerned with subsequent ratings should review the pertinent "lists" and "supplements" issued by these laboratories. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062, or Underwriters Laboratories of Canada, 7 Course Road, Scarborough, Ont., Canada M1R 3A0.

\*\*Carbon dioxide extinguishers with metal horns do not carry a "C" classification.

†Some small extinguishers containing ammonium phosphate-base dry chemical do not carry an "A" classification.

NOTE: Halon should be used only where its unique properties are desired and necessary.