

# MINI-GUARD AUTOMATIC SPOT PROTECTION ABC DRY CHEMICAL



**FEATURES:**

- Can be used in both total flood and local (spot) applications.
- Charged with a multipurpose dry chemical agent that is effective on Class A, Class B, and can be used on energized electrical equipment (Class C).
- Heat activated; requires no electrical power. Sprinkler Head rated at 165° F.
- Typical Installation Locations: specific fire risk areas such as flammable liquid storage rooms, construction trailers, and manufacturing process areas such as paint booths.
- Two mount styles available, vertical and horizontal. Horizontal mount requires bracket. Vertical mount has integrated mounting plate.
- Disposable. Does not require 6-yr. or 12 yr. inspection & maintenance. Discarded after 12 yrs. or discharge.
- Units are not intended as a substitute for an engineered system. Designed to provide supplementary fire protection.
- The cylinders are designed and tested to meet USDOT requirements.
- Made in the USA

### VERTICAL MOUNT

Part No.	80250	80501	81001	82001
Agent Capacity	2.5 lbs. (1.13 kg)	5 lbs. (2.3 kg)	10 lbs. (4.5 kg)	20 lbs. (9.1 kg)
Ship Weight	4 lbs. (1.8 kg)	11 lbs. (5 kg)	19 lbs. (8.6 kg)	36 lbs. (16.3 kg)
Operating Pressure	100 psi (689 kPa) @ 70°F		195 psi (1344 kPa)	
Storage Temperature Range	-65° to 120° F (-54° to 49° C)			
Unit Length	15.25 in (38.7 cm)	17.25 in (43.8 cm)	17.625 in (44.8 cm)	21.875 in (55.6 cm)
Unit Diameter	3.375 in (8.6 cm)	4.25 in (10.8 cm)	6 in (15.2 cm)	7.5 in (19.1 cm)
Max Total Flood Volume	120 cu. ft.	180 cu. ft.	1300 cu. ft.	2184 cu. ft.
Max. Local Application Coverage Area	4 x 4 ft.	4 x 6 ft.	10 x 10 ft.	12 x 13 ft.
Max. Height Above Hazard – Local Application	4 ft.			
Max. Height Above Hazard – Flood Application	7.5 ft.		13 ft.	14 ft

### HORIZONTAL MOUNT

Part No.	80251	80521	81021	82021
Agent Capacity	2.5 lbs. (1.13 kg)	5 lbs. (2.3 kg)	10 lbs. (4.5 kg)	20 lbs. (9.1 kg)
Ship Weight	4 lbs. (1.8 kg)	11 lbs. (5 kg)	19 lbs. (8.6 kg)	36 lbs. (16.3 kg)
Operating Pressure	100 psi (689 kPa) @ 70°F		195 psi (1344 kPa)	
Storage Temperature Range	-65° to 120° F (-54° to 49° C)			
Unit Length	14.25 in (36.2 cm)	17.25 in (43.8 cm)	20.875 in (53 cm)	21.875 in (55.6 cm)
Unit Diameter	3.375 in (8.6 cm)	4.25 in (10.8 cm)	5.125 in (13 cm)	7.5 in (19.1 cm)
Max. Total Flood Volume	120 cu. ft.	180 cu. ft.	1300 cu. ft.	2184 cu. ft.
Max. Local Application Coverage Area	4 x 4 ft.	4 x 6 ft.	10 x 10 ft.	12 x 13 ft.
Max. Height Above Hazard – Local Application	4 ft.			
Max. Height Above Hazard – Flood Application	7.5 ft.		13 ft.	14 ft
Mounting Bracket (Sold Separately)	700287	700270	700226	700229

# Installation

For Spot Protection Applications: Unit should be mounted directly above the hazard to be protected.  
For Total Flood Applications: Unit should be mounted in the center of the volume to be protected.  
Reference the Height above Hazard, Volume, and Coverage area parameters in the Table, Page 1.  
Note that the mounting of the horizontal units requires a mounting bracket (sold separately).

All installations should have the sprinkler head oriented in a vertical position, facing downward in a pendant manner with the pressure gauges having the green zone in the 12 o'clock position. Reference the Figures below for proper orientation.

Horizontal Mount



Vertical Mount



Installation in any other orientation will negatively affect the discharge capability of the unit.