



# RAPTOR X<sup>®</sup> SUPPRESSION BOTTLES - EAB

## Technical datasheet



The EAB suppression bottle is a key component of the Raptor X active chemical barrier systems, designed to stop explosions in their earliest phase. Controlled and monitored by the CU-P03 series control unit, it ensures fast, reliable response in high-risk environments.

## HOW IT WORKS

**Each EAB bottle includes a painted steel body, that includes:**

- Sodium bicarbonate extinguishing powder (food-grade)
- Gas generator
- Single discharge orifice

The sealed powder reservoir is maintained at atmospheric pressure, making it safe and easy to handle. When an explosion is detected, the control unit activates the gas generator, rapidly producing gas to discharge the powder and suppress the explosion before it can escalate.

## APPLICATION

**EAB bottles are designed for direct discharge and are ideal for:**

- Enclosed process vessels
- Applications requiring prevention of explosion propagation
- Compartmentalized systems

## AVAILABLE SIZES

- 2.64 Gallons/15.43Lbs (10L/7kg)
- 5.28 Gallons/30.86 Lbs (20L/14kg)

EAB10-E



EAB20-V



## KEY BENEFITS

- **PED-Exempt:** No permanent pressure means no classification under Pressure Equipment Directive (PED)
- **Safe Handling:** No risk of accidental discharge during installation or maintenance
- **Food-Grade Suppressant:** Compliant with EN1935, suitable for food and pharmaceutical applications
- **Modular Design:** Powder kits can be easily assembled or replaced on-site



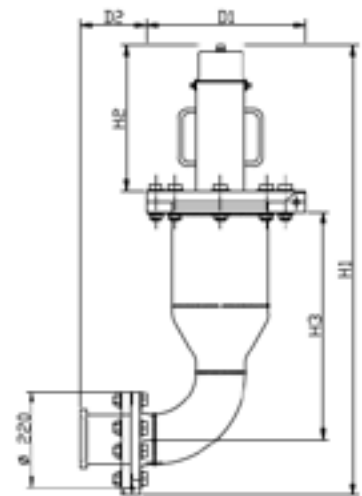
# SUPPRESSION BOTTLES - EAB

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### CHARACTERISTICS EAB-E (ANGLED OUTLET)

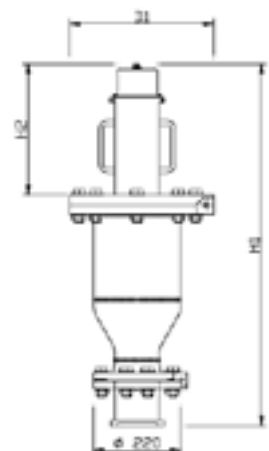
|                                           | EAB10E-700cc         | EAB20E-700cc | EAB20E-1150cc |
|-------------------------------------------|----------------------|--------------|---------------|
| HOLE DIAMETER Inch (mm)<br>(PROCESS SIDE) | Ø4.92 (125)          |              |               |
| MATERIAL                                  | Painted steel, SS304 |              |               |
| TOTAL WEIGHT lbs (kg)                     | 165.3 (75)           | 219.4 (99.5) | 251.3 (114)   |
| GAS GENERATOR                             | 36.38 (16.5)         | 36.38 (16.5) | 68.34 (31)    |
| POWDER KIT                                | 25.35 (11.5)         | 48.50 (22)   | 48.50 (22)    |
| SUPPRESSION BOTTLE                        | 103.62 (47)          | 134.48 (61)  | 134.48 (61)   |
| DIMENSIONS H1 Inch (mm)                   | 40.87 (1038)         | 52.28 (1328) | 55.90 (1420)  |
| H2 Inch (mm)                              | 13.58 (345)          | 13.58 (345)  | 17.09 (434)   |
| H3 Inch (mm)                              | 20.51 (521)          | 31.93 (811)  | 31.93 (811)   |
| D1 Inch (mm)                              |                      | 14.37 (365)  |               |
| D2 Inch (mm)                              |                      | 5.91(150)    |               |



EAB10-E

### CHARACTERISTICS EAB-V (STRAIGHT OUTLET)

|                                           | EAB10V-700cc         | EAB20V-700cc | EAB20V-1150cc |
|-------------------------------------------|----------------------|--------------|---------------|
| HOLE DIAMETER Inch (mm)<br>(PROCESS SIDE) | Ø4.92 (125)          |              |               |
| MATERIAL                                  | Painted steel, SS304 |              |               |
| TOTAL WEIGHT lbs (kg)                     | 163.1 (74)           | 217.2 (98.5) | 249.1 (113)   |
| GAS GENERATOR                             | 36.38 (16.5)         | 36.38 (16.5) | 68.34 (31)    |
| POWDER KIT                                | 25.35 (11.5)         | 48.50 (22)   | 48.50 (22)    |
| SUPPRESSION BOTTLE                        | 101.41 (46)          | 132.28 (60)  | 132.28 (60)   |
| DIMENSIONS H1 Inch (mm)                   | (927)                | (1217)       | (1306)        |
| H2 Inch (mm)                              | 13.58 (345)          | 13.58 (345)  | 17.09 (434)   |
| D1 Inch (mm)                              |                      | 14.37 (365)  |               |



EAB20-V