

HRD SUPPRESSION CONTAINER

DESCRIPTION

Upon receipt of an activation signal from the Fike EPACO™ explosion protection system, the high rate discharge (HRD) container discharges explosion suppressant powder into the protected volume. The powder chemically extinguishes the combustion reaction preventing pressure increase beyond a predetermined limit.



FEATURES AND BENEFITS

- Extremely fast response time
- Very low system maintenance costs
- Virtually maintenance free
- Easy servicing
- Wide selection of HRD containers for protection of large and small volumes
- Wide variety of system components and extinguishing agents



SPECIFICATIONS

Type	HRD (High Rate Discharge Suppression Container)
Executions	4": 2.5L; 5L; 10L; 20L; 30L 6": 50L
Spreader Types	4" Standard spreader with neoprene cover P/N 45012500-S Telescopic spreader with 1.4401 (316 SST) cover P/N 45019500-S Short throw spreader with 1.4401 (316 SST) cover P/N 45022831-S 6" Standard spreader with neoprene cover P/N 45012200-S Telescopic spreader with 1.4401 (316 SST) cover P/N 45011200-S
Spreader Wetted Parts	Standard spreader 1.4404 (316L SST) / Neoprene / Silicone Telescopic spreader 1.4404 (316L SST) / 1.4301 (304 SST) / Silicone Short throw spreader 1.4404 (316L SST) / 1.4301 (304 SST) / Silicone
Process Connection	Weld-in 1.4404 (316L SST) or CS flange / Weldless 1.4404 (316L SST) flange
Extinguishing agent	Sodium Bicarbonate (SBC) Dessikarb (Food Grade Quality Sodium Bicarbonate) Mono Ammonium Phosphate (MAP)
Explosion Hazard	Combustible dusts (incl. St 3), gases and hybrid mixtures
Initiator	Valve Actuator Assembly – GCA
Maximum Operating Temperature ¹	120°C (standard spreader) 200°C (telescopic spreader)
Ambient Temperature	-40°C to +55°C
Fill Pressure (N₂)	62 barg at 22°C
Ex marking	ATEX II 2/1 GD EEx d IIC T6 / IP66 T85°C
Painting Specifications	Primer: High build 2-component zinc phosphate primer Finish: White high build 2-component coating
Material Specifications	Container: Carbon steel Initiator Housing: SST Pressure Gauge: SST Junction box: Aluminum

(1) Consult factory for other temperature requirements.

ACCESSORIES

- Low pressure monitoring system
- Mechanical lockout

