

SRD ISOLATION CONTAINER

DESCRIPTION

Upon receipt of an activation signal from the Fike EPACO™ explosion protection system, the standard rate discharge (SRD) container discharges explosion isolation powder into the protected volume. The powder chemically extinguishes the combustion reaction preventing the explosion to propagate to other parts of the installation.

FEATURES AND BENEFITS

- Unique design with unequalled reaction speed
- Virtually maintenance free
- Easy servicing
- Process connections can be saddled for easy mounting on round duct work
- Flexible connections facilitate the maintenance



APPROVALS:

- ATEX



SPECIFICATIONS

Type	SRD (Standard Rate Discharge Isolation Container)
Executions	8.4 litre
Process connection	1" weld-on fitting / weldless process fitting (for flexibles only) – 1.4404 (316L SST)
Flexibles	0.5m or 1m – 1.4401 (316 SST)
Extinguishing agent	Sodium bicarbonate (SBC) Dessikarb (food grade quality) Mono ammonium phosphate
Explosion hazard	Combustible dusts (including ST3), gases and hybrid mixtures
Initiator	Valve Actuator Assembly (GCA)
Maximum operating temperature	120°C (higher temperature on demand)
Ambient temperature	-40°C to +55°C
Fill pressure (N₂)	34 barg @ 22°C
Ex marking	ATEX II 2/1 GD EEx d IIC T6 / IP66 T85°C
Painting specifications	Standard: <ul style="list-style-type: none"> C4 grade coating - KTL layer with powder coating ISO 12944-5; ISO 12944-6 A4.09 Optional: <ul style="list-style-type: none"> C5-I: ISO 12944-5; ISO 12944-6 A5I.02 C5-M: ISO 12944-5; ISO 12944-6 A5M.04
Material specification	Container: nickel plated carbon steel Initiator housing: SST Manometer: SST Junction box: aluminum

ACCESSORIES

- Low pressure monitoring system. Please see datasheet X.2.68.01-X
- Mechanical lockout. Please see datasheet X.2.69.01-X