

HRD

CHEMICAL SUPPRESSION BOTTLES



Interceptor®
Chemical Suppression

HRD





The Interceptor®-HRD explosion suppression system is designed to provide an active method to protect process equipment from a dust explosion hazard.

The principle of operation for the Interceptor®-HRD system is timely detection of the pressure rise during the initial stage of an explosion, followed by fast injection of an extinguishing agent.

5L Interceptor® HRD bottle



The 5L Interceptor®-HRD bottle

includes a low-pressure monitoring switch, OSHA lockout, and a telescopic nozzle as standard features. Each HRD suppression bottle is actuated by a micro gas generator (MGG) that reduces maintenance costs with a 10-year service life. Several suppressant agents are offered to cover both sanitary and non-sanitary applications.

8L/20L/50L Interceptor® HRD bottles



The 8L/20L/50L Interceptor®-HRD bottles

includes a low-pressure monitoring switch, OSHA lockout, and a telescopic nozzle as standard features. Each HRD suppression bottle is actuated by a micro gas generator (MGG) that reduces maintenance costs with a 10-year service life. Several suppressant agents are offered to cover both sanitary and non-sanitary applications. The 8L/20L/50L bottles can come equipped with a 90° elbow, straight, or flexible transition for vibrating equipment.

MGG Actuator

The Interceptor®-HRD explosion suppression system contains the Micro Gas Generator (MGG) actuator which allows for rapid, reliable deployment of the chemical suppressant. The MGG has an extended service life resulting in lower maintenance costs.

NFPA 69 Compliant

HRD bottles are FM Approved and ATEX certified. The HRD bottle NFPA 69 compliant solution.

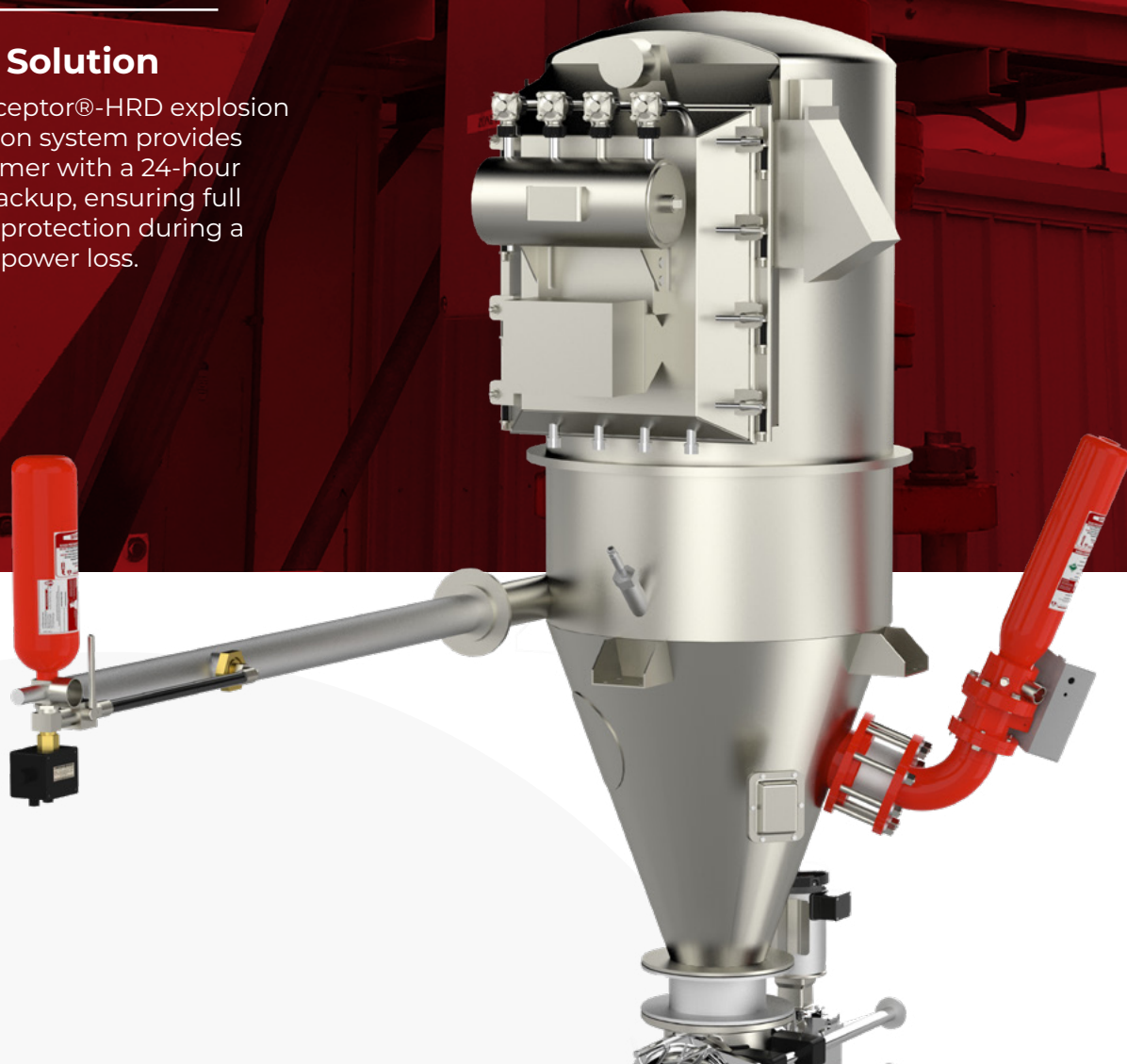
Safety Solution

The Interceptor®-HRD explosion suppression system provides the customer with a 24-hour battery backup, ensuring full explosion protection during a potential power loss.

Effectiveness

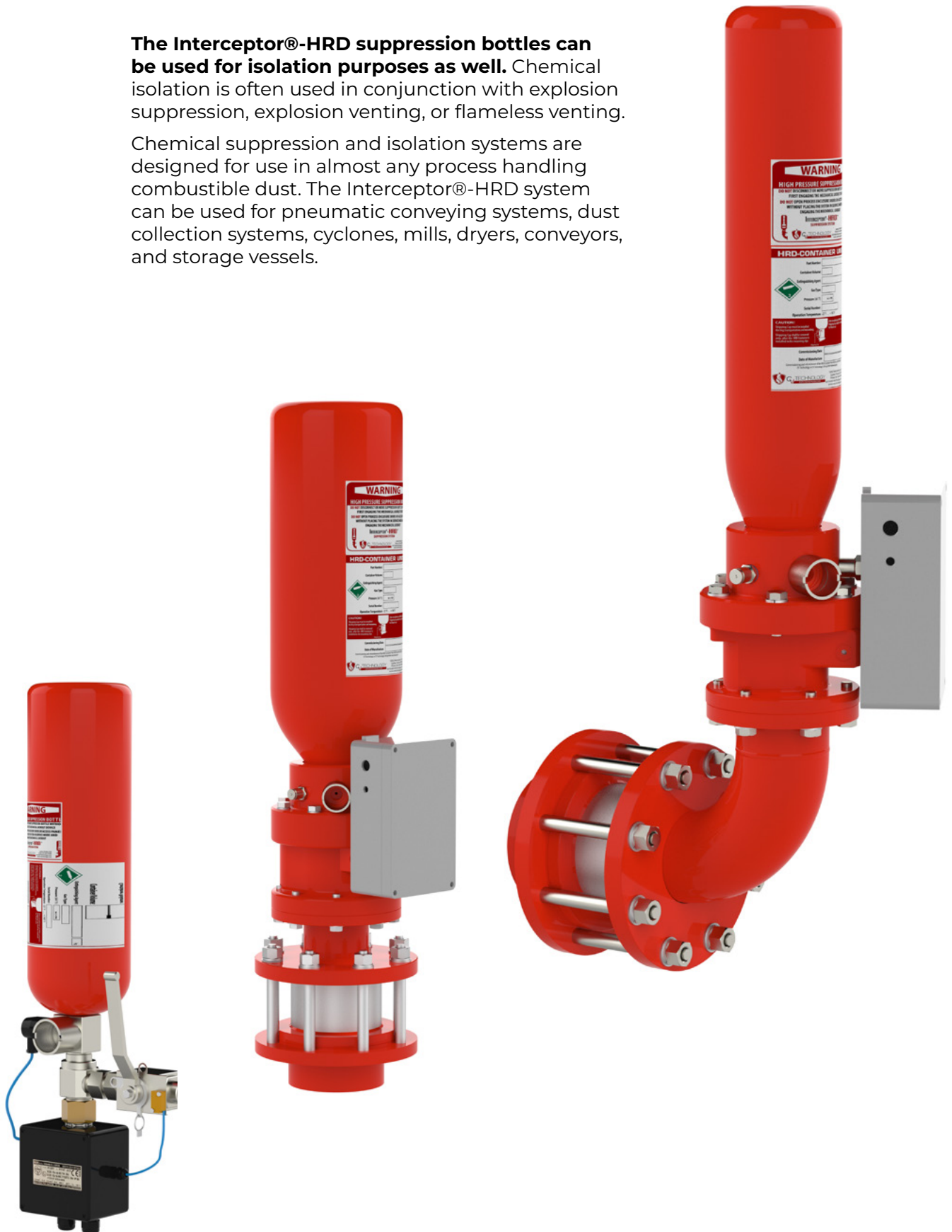
The Interceptor®-HRD explosion suppression system incorporates an integrated OSHA Lockout which allows for a safe and easy securing of the HRD bottles, consequently limiting process downtime during plant maintenance.

FEATURES



The Interceptor®-HRD suppression bottles can be used for isolation purposes as well. Chemical isolation is often used in conjunction with explosion suppression, explosion venting, or flameless venting.

Chemical suppression and isolation systems are designed for use in almost any process handling combustible dust. The Interceptor®-HRD system can be used for pneumatic conveying systems, dust collection systems, cyclones, mills, dryers, conveyors, and storage vessels.



SPECIFICATIONS



	Description
Compliance and Certifications:	NFPA 69 ATEX, EN 14373, EN 15089 FM 7-17, 7-76
Suppressant:	Sodium Bicarbonate Furex (Monoammonium Phosphate)
Propellent:	Nitrogen gas
Material of Process Shields:	PTFE 304 Stainless Steel
Bottle Sizes:	5L, 8L, 20L, 50L
Valve Sizes:	8L, 20L, 50L – 3" 20L, 50L – 4" 5L – 3/4"
Pressure:	8L, 20L, 50L – 725 PSI (50 bar) 5L – 1740 PSI (120 bar)
Actuating Device:	Micro Gas Generator (MGG)
Lockout:	OSHA Lock Out/Tag Out Capable
Type of Nozzles:	Telescopic Food Grade Stainless Steel Telescopic Stainless Steel Telescopic USDA Telescopic Flex Connection
Installation:	8L, 20L, 50L – Hedgehog 5L – Nozzle
Environmental Ingress:	IP 65
Hazard:	Maximum Pred < 2.00 bar (29 PSI) Please contact CV Technology for various Kst applications
8L, 20L, 50L Mounting Positions:	Elbow: 45°, 90° Straight Flex Connection
5L Hose Lengths:	15.75" (400 mm) 27.5" (700 mm)
Shelf Life:	10 years

Contact us for more info!

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