

# EHRD II

## HIGH RATE DISCHARGE SUPPRESSOR



### PRODUCT INFORMATION SHEET

#### Description

The IEP Technologies EHRD II is a high-rate discharge suppressor used for explosion suppression and isolation systems. Upon detection of an explosion event, the Explosion Protection Control Unit sends an actuation signal to the EHRD II valve mechanism. The valve opens extremely rapidly (less than 10ms), which allows the suppressant to be discharged through the nozzle system into the protected vessel to mitigate potential damage caused by the detected incipient explosion.

The EHRD II is provided with a supervisory switch that continuously monitors the suppressor's pressure level when connected to an IEP Explosion Protection Control Unit. This suppressor also includes a pressure gauge for visual indication of the suppressor pressure.

#### Features

- Improved reliability due to continuous monitoring of pressure
- Can be mounted on existing IEP flanges to potentially replace existing family of suppressors
- Integrated pressure gauge to visually check pressure level
- Ingress protection: IP65
- Rated for dust and gas hazardous locations
- Transportation licenses: TPED (pi-marked) and CDG-TPE (rho-marked) approval allows suppressors to be pressurised in our factory, thus improving quality and eliminating the need to pressurise on site.
- ATEX and UKEX approved

#### EHRD II



## Application

The IEP Technologies EHRD II is designed to discharge suppressant in milliseconds within a process vessel or to mitigate the propagation of flame through interconnected ductwork. It is used in conjunction with IEP Technologies' range of control panels and detectors. IEP Technologies' sophisticated computer modeling techniques determine the expected reduced explosion pressure (Pred) and the quantity and size of suppressors to be employed.

## Specifications

**Valve body:** Corrosion resistant anodized aluminum.

**Spun cylinder:** Painted carbon steel (blue)

**Product Certifications:** ATEX and UKEX



ATEX Certified

### EPS 23 ATEX 1 258 X

ELECTRONICS TO AMBIENT

- Dust ATEX II 2D Ex tb IIIC T85°C Db
- Gas ATEX II 3G Ex ec nC IIC T6 Gc

ELECTRONICS TO PIPING SYSTEM

- Dust ATEX II 1D IIIC T85°C
- Gas ATEX II 2G IIC T6

### EPS 23 UKEX 1 301 X

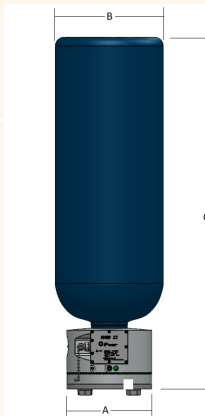
ELECTRONICS TO AMBIENT

- Dust UKEX II 2D Ex tb IIIC T85°C Db
- Gas UKEX II 3G Ex ec nC IIC T6 Gc

ELECTRONICS TO PIPING SYSTEM

- Dust UKEX II 1D IIIC T85°C
- Gas UKEX II 2G IIC T6

**UK  
CA**



## Approx. Dimensions

Model	A mm (in.)	B mm (in.)	C mm (in.)	Volume (L)	Total Weight kg (lb)
3" EHRD II, 4kg	210 (8 ¼)	140 (5 ½)	580 (22 ¾)	5	25 (55)
3" EHRD II, 16kg	210 (8 ¼)	230 (9)	785 (31)	20	55 (122)
3" EHRD II, 25kg	210 (8 ¼)	270 (10 ½)	885 (35)	31	75 (165)
5" EHRD II, 35kg	280 (11)	316 (12 ½)	910 (35 ¾)	45	95 (209)

## Contact Information

**IEP Technologies - Austria**  
 (HOERBIGER Safety Solutions)  
 Tel: +43 1 2244 0

**IEP Technologies - Finland**  
 Tel: +358 10 325 358 0

**IEP Technologies – France**  
 Tel: +33 1 5803 3980

**IEP Technologies – Germany**  
 Tel: +49 2102 5889 0

**IEP Technologies - Italy**  
 (HOERBIGER Safety Solutions)  
 Tel: +39 045 2370762

**IEP Technologies - Sweden**  
 (HOERBIGER Safety Solutions)  
 Tel: +46 70 564 3306

**IEP Technologies – Switzerland**  
 Tel: +41 62 207 10 10

**IEP Technologies – Turkey**  
 Tel: +90 232 484 4412

**IEP Technologies – UK**  
 Tel: +44 1242 283 060

**IEP Technologies – USA**  
 Tel: +1-855-793-8407

**IEP Technologies – Latin America**  
 (HOERBIGER Safety Solutions)  
 Tel: +55 (11) 4446 7400

**IEP Technologies – China**  
 (HOERBIGER Safety Solutions)  
 Tel: +86 21 6485 0855

**IEP Technologies – South East Asia**  
 (HOERBIGER Safety Solutions)  
 Tel: +65 6890 0770