

## HAZARDOUS LOCATION BREATHER DRAINS



### INDUSTRY STANDARDS

#### Ex e Breather Drains

Certified for Zone 1 or 2 areas

ATEX

Sira 13ATEX3354U

Ex e IIC Gb

Ex tb IIIC Db IP66

IECEX

IECEX SIR 13.0138U

Ex e IIC Gb

Ex tb IIIC Db IP66

cCSAus Certified Class 1 Zone 1, Ex e II, IP66, Type 4X

NEMA/EEMAC Type 4, 4X

IEC 60529, IP66

Maintain enclosure Type 4, 4X rating when properly installed

#### Ex d Breather Drains

Certified for Zone 1 or 2 areas

ATEX

ITS13ATEX17900X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

IECEX

IECEX ITS 13.0049X

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

NEMA/EEMAC Type 4, 4X

IEC 60529, IP66

Maintain enclosure Type 4, 4X rating when properly installed

### APPLICATION

Hazardous Location Breather Drains prevent moisture build-up within hazardous approved enclosures while maintaining enclosure UL Type rating. Drains are to be used when an enclosure is subject to fluctuations in temperature which can lead to the formation of condensation and a subsequent moisture build-up. These drains allow air within an enclosure to breathe with the surrounding atmosphere, preventing condensation and any potential damage to electrical equipment.

### FEATURES

- Reduce corrosion that can limit the life of internal electrical and electronic components
- Prevent condensation when installations are subject to fluctuations in temperature in hazardous locations
- Effectively drain any water present within the enclosure
- Minimize moisture build-up within the enclosure by allowing air in the enclosure to breathe with surrounding atmosphere
- Position at the lowest point of an enclosure to ensure optimal draining of any moisture
- Maintain enclosure's UL Type rating when properly installed
- Available for Increased Safety (Ex e) and Flameproof (Ex d) applications

### SPECIFICATIONS

#### Ex e Breather Drains:

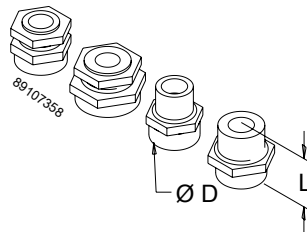
- Type 316 stainless steel with castellated nut and nitrile O-ring
- 10mm thread length
- Install in a clearance hole 0.5 to 1.0mm larger than major diameter, or in a tapped hole
- Operating temperature of -58 F (-50 C) to 185 F (85 C)

#### Ex d Breather Drains:

- Type 316 stainless steel with silicone O-ring
- 16mm thread length
- Install in a tapped hole
- Operating temperature of -22 F (-30 C) to 302 F (150 C)

### BULLETIN: HLY

Catalog Number	AxBxC in./mm	Description	Thread Type	D in./mm	L in./mm	Weight (lbs.)	Weight (kg)
EXEBDM20SS6	1.57 x 1.57 x 0.98 40 x 40 x 25	Ex e M20 Breather Drain	M20	1.13 28.7	.99 25.1	0.16	0.1
EXEBDM25SS6	1.57 x 1.57 x 0.98 40 x 40 x 25	Ex e M25 Breather Drain	M25	1.41 35.8	1.30 33.0	0.27	0.1
EXDBDM20SS6	1.57 x 1.57 x 0.98 40 x 40 x 25	Ex d M20 Breather Drain	M20	1.06 26.9	.99 25.1	0.18	0.1
EXDBDM25SS6	1.57 x 1.57 x 0.98 40 x 40 x 25	Ex d M25 Breather Drain	M25	1.2 31.8	1.30 33.0	0.25	0.1



## Notes