

Hazardous Location Fittings

EYD Drain Seals

Cl. I, Div. 1 & 2, Groups A, B, C, D

Cl. II, Div. 1, Groups E, F, G

Cl. III, Div. 1 & 2

Application

EYD drain and inspection sealing fittings:

- Restrict the passage of gases, vapors or flames from one portion of the electrical installation to another at atmospheric pressure and normal ambient temperatures
- Limit explosions to the sealed-off enclosure
- Prevent precompression or “pressure piling” in conduit systems. Drain sealing fittings are installed in vertical conduit runs and at low points in conduit systems to prevent accumulation of condensate above seal

Features

EYD drain sealing fittings include:

- Drain to provide continuous, automatic drainage of condensate
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushings to protect conductor insulation from damage
- Tapered-tapped hubs to ensure ground continuity

Standard Materials

Bodies and drain covers — Gray iron alloy and/or ductile iron

Closure for drain — copper-free aluminum or ductile iron

Small closure plug — Gray iron alloy and/or steel

Drain — stainless steel

Removable nipples — steel

Standard Finish

Gray iron alloy and ductile iron — electrogalvanized and aluminum acrylic paint

Copper-free aluminum — natural

Stainless steel — natural

Steel — electrogalvanized

Options

Copper-free aluminum bodies, nipples and enclosures — see listings



Size Ranges

EYD — ½"–4"

Listings/Compliances

EYD11 — 31-TB

Class I, Division 1 & 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III

EYD41 — 101-TB

Class I, Division 1 & 2, Groups C, D; Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G

Class III

UL Standard: 1203

CSA Standard: C22.2

NEMA 3, 4, 7 CD, 9 EFG

Explosion-Proof

Dust-Ignition-Proof

Raintight

Wet Locations

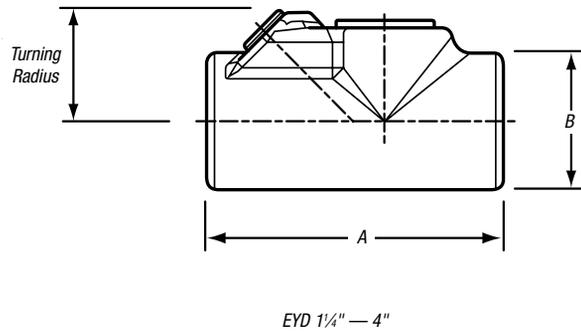
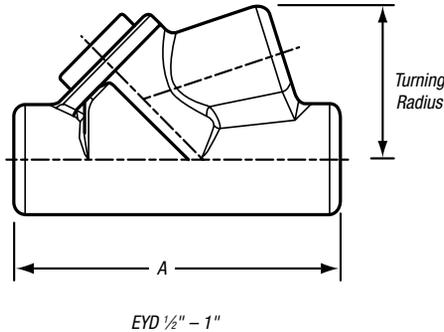
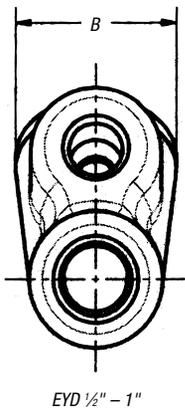
Sealing Compound and Fibers

Seal A3 (1-lb. can of sealing compound)

Fiber X6 (8-oz. fiber packing)

Seal Kit (1-lb. can of sealing compound and 1-oz. fiber packing)

Hazardous Location Fittings



EYD Drain Seals

CAT. NO.	HUB SIZE	DIMENSIONS (IN.)		TURNING RADIUS
		A	B	
EYD11-TB	1/2"	3.81	1.50	1.75
EYD21-TB	3/4"	4.08	1.75	1.98
EYD31-TB	1"	4.85	2.19	2.19
EYD41-TB	1 1/4"	5.00	2.25	1.80
EYD51-TB	1 1/2"	5.44	2.44	2.00
EYD61-TB	2"	6.25	3.00	2.32
EYD71-TB	2 1/2"	7.50	3.50	2.69
EYD81-TB	3"	8.50	4.25	3.15
EYD91-TB	3 1/2"	9.19	4.75	3.38
EYD101-TB	4"	9.75	5.25	3.64

Drains/Breathers for Hazardous Locations

Application

The Thomas & Betts Universal drain/breather fittings can be used as drains or breathers depending on the installation.

- To use as a drain, the product must be installed in the bottom of the enclosure or the lowest point where an NPT threaded opening exists. It can also be used in a seal fitting or a "T" conduit body. These must be in a lower section of the conduit system. This will enable moisture inside the conduit system to drain out
- To use as a breather, installation should be done at the top of an enclosure or in upper sections of conduit systems. This will permit air exchange and keep moisture accumulation inside the conduit system to a minimum. Thomas & Betts recommends the use of at least two devices (one drain and one breather) for maximum efficiency



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)
		B
ECD15*	1/2"	.975
ECD384	3/8"	.407
ECD284	1/4"	.327

* NEMA 4X rated.

Listings/Compliances

- Cl. I, Div. 1 & 2, Groups B, C, D
- Cl. II, Div. 1, Groups E, F, G
- Cl. III, Div. 1 & 2