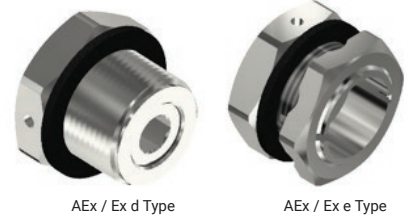


# BREATHER DRAIN PLUG

Class I / II / III Div. 1, 2

Class I / II / III Zone 1 & Zone 21 or Class I / II / III Zone 1 & Zone 2



## Features and Benefits

- Allows equipment to breath whilst maintaining relevant protection levels.
- Drains water from equipment that is susceptible to moisture collection whilst maintaining the relevant protection levels.
- No limitation on the volume of enclosures.
- The AEx / Ex e type is supplied with a castellated nut or optional serrated washer with standard locknut for high vibration applications.
- Breather drain plugs with metric threads are supplied with sealing gaskets.

## Technical Data

Product:	Breather drain plugs for AEx / Ex d OR AEx / Ex e applications
Material:	Brass (Marine Grade Electroless Nickel Plated) or Stainless Steel
Gasket:	HDPE, Nylon 66 or PTFE. (Selected according to the temperature range required)
Note:	The installer should check that the materials are suitable for the installation environment
Temperature ranges:	When fitted with sealing gaskets the temperature range for the Breather Drain Plugs will be:-
Sealing gasket material	Temperature range
HDPE	-20°C or -60°C to +95°C
Nylon 66	-20°C or -60°C to +100°C
PTFE	-20°C or -60°C to +160°C
Note:	-60°C temperature range applies to the AEx / Ex e type breather drain plug only

## Standards and Certifications

Type	Certificate	Protection Level
NEC / CEC:	LR1537-2	AEx / Ex d type: Class I/II/III Div. 1,2; Class I, Zone 1; Zone 21 AEx / Ex db IIC Gb, AEx/ Ex tb IIIC Db AEx / Ex e type: Class I, Zone 1; Zone 21 AEx/ Ex eb IIC Gb, AEx/ Ex tb IIIC Db

In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22



Other certification types are available for this product e.g. IECEx.

## Specific Conditions of Use - X

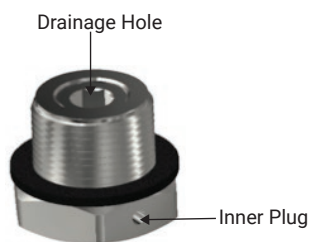
- Breather drain plugs with metric threads shall be used with the supplied thread sealing gasket and the installer shall ensure that the surface of the enclosure against which the thread sealing gasket seals is in good condition.
- The breather drain plugs must be installed at the bottom of the equipment.
- The breather drain plugs must be installed directly to equipment and shall not be used with any form of entry device such as adaptors or reducers.
- Suitable for use in indoor and outdoor locations.

## Fitting Instructions

Breather drain plugs should be tightened according to the table below

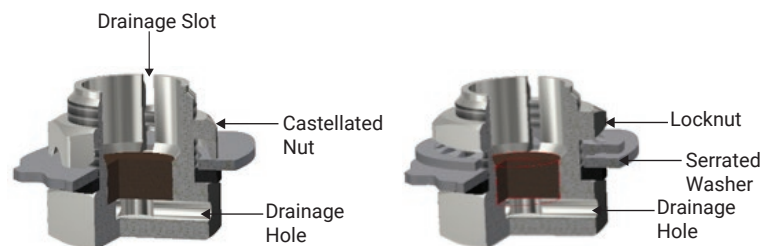
Product Code	Type	Thread Size	Installation Torque (Nm)
BDM20E-MNA	AEx / Ex e	M20 X 1.5	21
BDM25E-MNA	AEx / Ex e	M25 X 1.5	30
BDN12E-MNA	AEx / Ex e	½" NPT	21
BDN34E-MNA	AEx / Ex e	¾" NPT	30
BDM20D-MNA	AEx / Ex d	M20 X 1.5	21
BDM25D-MNA	AEx / Ex d	M25 X 1.5	30
BDN12D-MNA	AEx / Ex d	½" NPT	21
BDN34D-MNA	AEx / Ex d	¾" NPT	30

### AEx / Ex d type Breather / Drain Plug



1. Ensure that the inner plug is fully tightened into the breather/ drain body.
2. The AEx / Ex d breather drain plug must be fitted to an appropriate threaded entry at the bottom of the equipment.
3. If the thread is NPT then thread sealant can be used to ensure the IP rating of the installation.

### AEx / Ex e type Breather / Drain Plug.



1. The AEx / Ex e breather drain plug must be fitted to the bottom of the equipment. It can be screwed into a threaded entry or secured in a clearance hole using the castellated nut supplied.
2. In high vibration applications the breather drain plug may optionally be secured using a serrated washer and standard locknut.
3. Tighten the locknuts to secure the breather drain plug. Note that the AEx / Ex e breather drain plug has slots cut into its threads to assist draining. Excessive tightening of the locknut may cause thread distortion.