MOFLASH SIGNALLING
BIRMINGHAM, ENGLAND

BREATHER DRAIN PLUG

Ex e, Ex eb, Ex tb

for General Industrial and Hazardous Area Installations



Features and Benefits

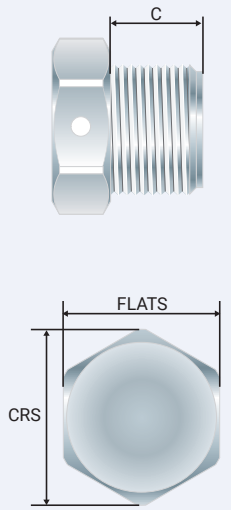
- Enables equipment to breathe whilst maintaining relevant protection levels.
- Drains water from equipment that is susceptible to moisture collection whilst maintaining relevant protection levels.
- No limitations on the volume of enclosures.
- The Exe version is supplied with a castellated nut or optional serrated gasket with standard locknut for high vibration applications.
- Precision manufactured from high quality brass (Marine Grade Electroless Nickel Plated™) available in stainless steel 316/316L on request.
- Supplied with thread sealing gasket as standard.

Technical Data

Type:		Breather Drain Plugs for Ex d and Ex e applications
Material:	Body / Plug	Brass (Marine Grade Electroless Nickel Plated™), Stainless Steel 316/316L
	Sinter	Bronze or Stainless Steel
	Gasket	Standard HDPE, Nylon 66 or Extreme Temp. PTFE
Note:		The installer should ensure that the materials are suitable for the installation environment

Standards and Certifications

Equipment Protection Levels:	IECEx/INMETRO: Ex eb I Mb / Ex eb IIC Gb / Ex tb IIIC Db ATEX/UKEX: Ⓔx I M2 Ex eb I Mb / Ⓔx II 2 G D Ex eb IIC Gb / Ex tb IIIC Db	
Conformance:	Standard:	Certificate:
IECEx	IEC 60079 Part 0, 1, 7, 15, 31	IECEx CML16.0021X
ATEX	EN 60079 Part 0, 1, 7, 31	CML 16ATEX1029X
UKEX	BS EN 60079 Part 0, 1, 7, 31	CML 21UKEX1018X
INMETRO (Brazil)	ABNT NBR IEC 60079 Part 0, 1, 7, 31	TÜV 16.1857X
SANS	SANS/IEC 60079 Part 0, 1, 7, 15, 31	MASC MS/23-9594
IP66	IEC 60529	IECEx CML 16.0021X
Marine ABS	IEC 60079 Part 0, 1, 7, 15, 31, IEC 60529	ABS 20-1952706-1-PDA
DNV	IEC 60079 Part 0, 1, 7, IEC 60529	TAE0000010



Conditions for Safe Use - X

- The breather drain plugs shall be used with the supplied thread sealing gaskets 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 service temperature ranges shall not be exceeded as per Table 1.

Table 1

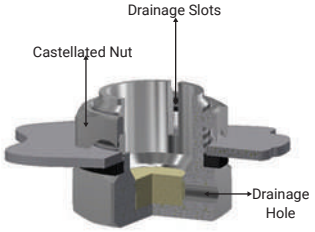
Breather Drain	Service Temp.
HDPE gasket	-60°C to +95°C
Nylon gasket	-60°C to +100°C
PTFE gasket	-60°C to +160°C

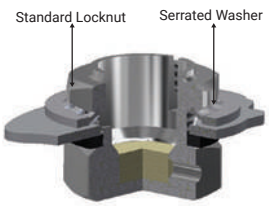
MOFLASH SIGNALLING Product Code	Material	Protection Level	Entry Thread		Hexagonal Detail		Installation Torque Value Nm
			Type	Minimum Length 'C'	Maximum 'Flats'	Maximum 'Crns'	
50276	Stainless Steel	Exe	M20x1.5	12.0	24.0	27.0	21.0

All dimensions except NPT are in mm. Larger thread sizes are available.

Fitting Instructions

1. The 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 Ex e breather drain plug may optionally be secured using a serrated washer and standard locknut.
3. Tighten locknuts to secure the breather/drain. Note that the Ex e breather drain has slots cut in its threads to assist draining. Excessive tightening of the locknut may cause thread distortion.





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