

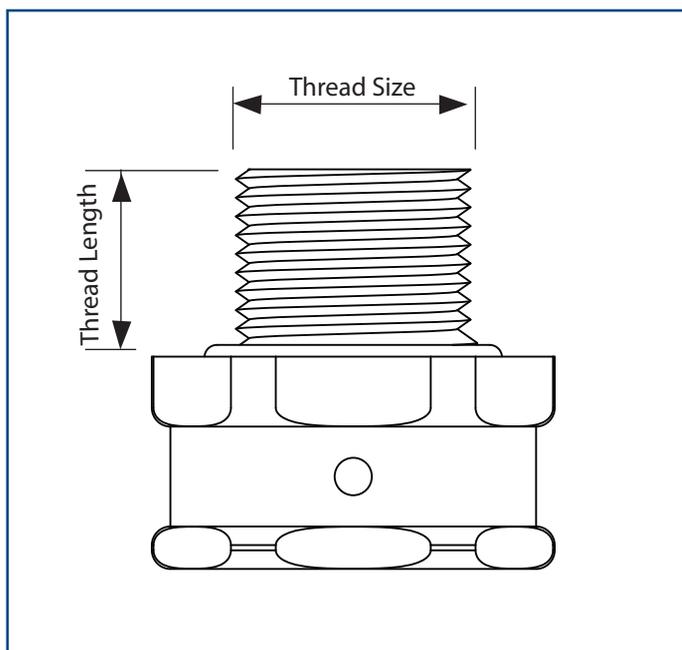
Ambient temperature range: -60°C +60°C  
Temperature Classification: T6

### Product Materials:

Brass, Nickel Plated Brass and Stainless Steel  
(Aluminium Group II Only)  
O-Ring: Nitrile

### Certification Details

Breather Drains Type: 489  
Exdb I / Exdb IIC Gb T6 / Extb IIIC Db T80°C  
Baseefa11ATEX0154X (Ex) I M2 / II 2 GD IP66 CE  
IECEX BAS11.0076X  
IEEx 15.0208X  
EAC (Ex) TC RU C-GB.AA87.B.00430  
c CSA us No: 2700364  
Class I Zone 1 AExdb IIC Gb  
Zone 21 AExtb IIIC Db IP66  
OR Class I Zone 1 AExdb IIB+H2 Gb  
Zone 21 AExtb IIIC Db IP66  
*(Optional: Class I Div 1 Groups ABCD, Class II Div 1 Groups FG, Class II Div 2 Groups EFG, Class III)*



### SPECIFIC CONDITIONS OF USE

1. The breather must be fitted to the bottom face of the enclosure.
2. Only one breather to be fitted to an enclosure.
3. The breather is only to be fitted to enclosures with a volume less than 2.5 litres free volume.
4. Ensure the breather drain thread is compatible with the enclosure thread.
5. Ensure that the area around the enclosure entry thread is clean and flat and the entry thread is square to the enclosure face.
6. Insert the breather drain from the outside of the enclosure and fully tighten using the correct size of spanner or wrench.
7. The thread engagement between the breather drain and the entry thread on parallel threads must be at least 5 full threads and 9mm axial engagement.
8. The breather drain thread is to be secured in the enclosure with Loctite 638 sealant or a direct equivalent.

### NOTE:

The standard thread pitch upto and including the M25 size is 1.5mm.

### EU Declaration of Conformity in accordance with European Directive 2014/34/EU

**Manufacturer: Hawke International**  
**Address: Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom**

### Equipment Type: 489 Breather Drain (Group I & II)

### Provisions of the Directive fulfilled by the Equipment:

Group I Category 1M2 Exdb I Mb – IP66 (This excludes Aluminium)  
Group II Category 2GD Exdb IIC Gb, Extb IIIC Db – IP66

**Notified Body for EU-Type Examination:** SGS- Baseefa 1180 Buxton UK

**EU-type Examination Certificate:** Baseefa 11ATEX0154X

**Notified Body for production:** SGS- Baseefa 1180 Buxton UK

### Harmonised Standards used:

EN 60079-0:2012+A11:2013, EN60079-1:2014, EN60079-31:2014

**On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.**

**A. Tindall**  
**Technical Manager**

### Typical Dimensions

Thread Size Metric	Across Flats	Across Corners	Thread Length
M20	30	32.5	15.0
M25	36	39.5	15.0

*NB: Other parallel thread forms are available on request.*