



Breather / Drain Plug Type 781 with increased Safety Ex e II form of protection.

The CMP Type 781 Breather / Drain Plug is designed for Increased Safety Ex e apparatus that is susceptible to condensation or prone to moisture collection or ingress during normal operation. The Type 781 is designed to act as both a drainage device, when mounted in a bottom entry of the equipment, and also to enable the inside air to breathe with the external environment under normal ambient and atmospheric conditions, whilst excluding further dust and moisture from penetrating the enclosure. The Type 781 Breather / Drain Plug is supplied complete with an integral entry thread 'O' ring seal, and a castellated locknut to facilitate drainage from inside the enclosure. A General Purpose Industrial version is also available.

Metallic Breather / Drain Plugs are available in Brass, Aluminium or Stainless Steel and can be supplied for both Industrial and Hazardous Area applications, with Ex e Component Approval.

Thread forms available are metric sizes M20 and M25 and NPT equivalents.

Features:

- Filter prevents any dirt or other foreign bodies from entering the enclosure
- Breathing capabilities help to combat the build up of moisture and potential condensation in the apparatus.
- Slotted Entry Threads and Castellated Locknut allows excess water to flow into inverted drain device.
- Draining features enable release of any water that has penetrated the apparatus whilst maintaining the Increased Safety form of protection.
- Integral 'O' Ring ensures an effective seal at the interface between the Breather/ Drain device and the equipment.



Edited with Infix PDF Editor
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

15.02.2012 22:37:22

781 Series Breather/Drain Plugs Table

Ordering Reference	Thread Size	Minimum Thread Length	Protrusion Height	Across Flats Dimension	Across Corners Dimensions	Installation Torque (Nm)
781EM2	M20 x 1.5	10.0	14.0	30.0	32.4	7
781EM3	M25 x 1.5	10.0	14.0	31.5	34.0	10
781ET1	1/2" NPT	10.0	14.0	30.0	32.4	7
781ET2	3/4" NPT	10.0	14.0	31.5	34.0	10

Dimensions are displayed in millimetres unless otherwise stated

NOTE: Marked with ATEX, IECEx and cCSAus certification details as standard. Please refer to Ordering Guide Tables for reference definitions, denoting material variants.

Ordering Reference	Thread Size	Minimum Thread Length	Protrusion Height	Across Flats Dimension	Across Corners Dimensions	Installation Torque (Nm)
781EM2	M20 x 1.5	0.394	0.551	1.181	1.276	7
781EM3	M25 x 1.5	0.394	0.551	1.240	1.339	10
781ET1	1/2" NPT	0.394	0.551	1.181	1.276	7
781ET2	3/4" NPT	0.394	0.551	1.240	1.339	10

Dimensions are displayed in inches unless otherwise stated

NOTE: Marked with ATEX, IECEx and cCSAus certification details as standard. Please refer to Ordering Guide Tables for reference definitions, denoting material variants.



Edited with **Infix PDF Editor**
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

15.02.2012 22:37:22

TECHNICAL DATA

cCSAus Approval Certificate No.	1055233
cCSAus Code of Protection Category	Ex e II, Class I, Zone 1, AEx e II; IP66; Enclosure Type 4X
cCSAus Compliance Standards	C22.2 No. 0.5-M1982, C22.2 No. 30-M1986, C22.2 No. 94-M1991, CAN/CSA E60079-0:07, CAN/CSA E60079-1:07, CAN/CSA E60079-7:02, UL Standard 50, Eleventh Edition, UL Standard 1203, Fourth Edition, UL 60079-0, Fourth Edition, UL 60079-1, Fifth Edition, UL 60079-7, First Edition
GOST R Certificate Number	POCC GB.HO06.B00207
GOST R Code of Protection Category	Ex e II
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	PPC 00-40706
GOST K Certificate Number	KZ 75000361 01 01 14761
RoK Permit For Use Number	19-02-UL-1957
Lloyds Approval No.	01/00172
DNV Approval No.	E-10496
ABS Approval No.	01-LD234401C/1-PDA
INMETRO Approval Certificate Number.	AEX-13104-U
INMETRO Code of Protection Category	BR-Ex e II
INMETRO Compliance Standards	ABNT NBR IEC 60079-0:2006, IEC 60079-1:2007 e IEC 60079-2007:2001
RETIE Approval Number	03866
Type	781
Design Specification	BS 6121:Part 1:1989
ATEX Certification Detail	SIRA01ATEX1284 U
ATEX Code of Protection Category	ATEX II 2 GD Ex e II Component, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC
ATEX Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 50281-1-1
IEC Ex Certification Detail	IEC Ex SIR07.0054 U
IEC Ex Code of Protection Category	Ex e II, Ex tD A21 IP6X
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-7, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +60°C
Ingress Protection Rating	IP66 (when fitted in a bottom entry, perpendicular manner)
Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel

Accessories included - Integral Entry Thread "O" Ring Seal, Castellated Locknut

Related Links

- [How To Order](#)



Edited with **Infix PDF Editor**
- free for non-commercial use.

To remove this notice, visit:
www.iceni.com/unlock.htm

15.02.2012 22:37:22