

# Raxton Breather Drains

## Technical Specification



The Exde (Type CT) and the Exe (Type CV) effectively drain moisture from an enclosure and allow air from the enclosure to vent into the surrounding atmosphere thereby minimising moisture build up.

### Certifications and Compliances

#### Code of Protection Categories

##### Type CT Breather Drain Plugs

ATEX: II 2 GD, Ex e IIC Gb, Ex tb IIIC Db

IECEX: Ex d I/IIC Mb/Gb, Ex e I/IIC Mb/Gb, Ex tb IIIC Db, IP 6X

##### Type CV Breather Drain Plugs

ATEX: I M2, Ex e I Mb or II GD, Ex e IIC Gb, Ex tb IIIC Db.

Nylon: - II 2 GD, Ex e II only.

IECEX: Ex e IIC Mb/Gb, Ex IIIC tb Db (metallic only)

GOST: ExdeIIICU, ExeIIU. Nylon: - ExeIIU only.

INMETRO: BR-Ex e I/IIC Gb, BR-Ex tD A21, IP 66

#### Compliance Standards

##### Type CT Breather Drain Plugs

ATEX / INMETRO / GOST: EN 60079-0:2007, EN 60079-1:2007,

EN 60079-7:2007, EN 61241-0:2006

EN 61241-1:2004

IECEX: IEC 60079-0:2007-10, IEC 60079-1:2007-04,

IEC 60079-7:2006-07, IEC 61241-1:2004

##### Type CV Breather Drain Plugs

ATEX / INMETRO / GOST: EN 60079-0:2009, EN 60079-1:2007,

EN 60079-7:2007, EN 60079-31:2008

(Metallic only); EN 50014:1997,

EN 50019:1994, EN 50281-1-1:1998 (Nylon only)

IECEX: IEC 60079-0:2007-10, IEC 60079-7:2006-07, IEC 61241-1:2004

(Metallic only)

#### Certificate Details

ATEX: (CV) Sira 10ATEX3279U

(CT) ITS 13ATEX17782X

IECEX: (CV) IECEX SIR 09.0096U

(CT) IECEX ITS 13.0018X

GOST: POCC GB. 06.B01060

INMETRO: (CV) NCC 12.0926X

(CT) NCC 12.0927X

#### TEMPERATURE

The Exde Type CT Breather/Drain plug: -50°C to 230°C.

The Exe Breather/Drain plug is classified as a component and therefore metallic products are not given an operating temperature.

Nylon temperature range -20°C to 65°C, 'O' ring -30°C to 125°C.

#### Ingress Protection (IP):

Tested to IP66

#### Product Codes

DIGIT 1+2 Description (Breather Drains)	Code	DIGIT 3 Material	Code	DIGIT 4 & 5 Male		DIGIT 6 & 7 Female		DIGIT 8 Approval	DIGIT 9 Special	DIGIT 10				
				Thread Reference						Plating				
B.DRAIN Ex de	CT	BRASS	A	M16	11	½" NPT	42	ATEX Exde	A	None (standard)	X or blank	None	Blank	
B.DRAIN Ex e	CV	STAINLESS STEEL	E	M20	12	¾" NPT	43	IECEX Exde	R	Customer Special	S	Nickel	N	
		GLASS FILLED NYLON	M	M25	13	1" NPT	44	For other approvals please see product coding list on page 64				Zinc	Z	
				M32	14								Chromatised	C
									Industrial	X or Blank			Special	S

Other sizes / threads are available on request

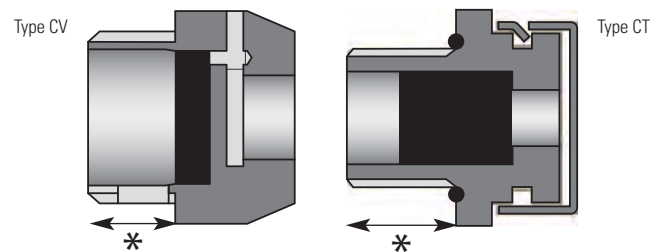


#### Product Dimensions - Ex e (Type CV)

Thread	Dia. (mm)	Allen Key (mm)	Head Protrusion (mm)
M20	25.4	10	14
M25	30.5	10	14
M32	38.0	10	14
½" NPT	25.4	10	14
¾" NPT	30.5	10	14
1" NPT	38.0	10	14

#### Product Dimensions - Ex de (Type CT)

Thread	Hex AF (mm)	Thread Length (mm)	OAL (mm)
M20	27.0	16.0	31
M25	31.8	16.0	31
½" NPT	27.0	20.0	35
¾" NPT	27.9	20.0	35



\* Minimum 6 full threads parallel 5 full threads taper.

PRODUCT CODING EXAMPLE	Breather Drain	Brass	M25(M)	-	Ex de	PART NUMBER
	CT	A	13	00	A	= CTA1300A