

Breather drains - types CT & CV

Technical specification

The Exd /Exe (type CT) and the Exe (type CV) breather drain plugs effectively drain moisture from an enclosure and allow air from the enclosure to vent into the surrounding atmosphere, thereby minimising moisture build up.

Type CT (Exd/Exe) - Certifications and compliances



Code of protection categories

ATEX: I M2, II 2 GD, Ex eb I/IIc Mb Gb, Ex d IIC Mb Gb, Ex tb IIIC Db

IECEX: Ex eb I/IIc Mb/Gb, Ex d IIC Mb/Gb, Ex tb IIIC Db

Compliance standards

ATEX: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IECEX: IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Certificate details

ATEX: ITS16ATEX101338X

IECEX: IECEX ITS 16.0014X

EAC: RU C-GB.M 62.B.06227

INMETRO: NCC 18.0165 X

Temperature

Type CT (Exd/Exe) breather drain plug: -50°C to +150°C.

Ingress protection (IP):

IP66 when fitted in accordance to manufacturer's instructions (for bottom application only)

Type CV (Exe) - Certifications and compliances



Code of protection categories

ATEX: I M2/II 2 GD, Ex e I/II Mb Gb, Ex tb IIIC Db

Nylon: II 2 GD, Ex eb II Mb Gb, Ex tb IIIC Db

IECEX: Ex e I/IIc Mb/Gb, Ex tb IIIC Db

Nylon: Ex eb IIC Mb/Gb, Ex tb IIIC Db

CSA: Ex eb IIC Gb IP66 Cl I Zn 1 AEx eb IIC Gb Enclosure Type 4X (NEMA 4X)

Compliance standards

ATEX: EN 60079-0, EN 60079-7, EN 60079-31

IECEX: IEC 60079-0, IEC 60079-7, IEC 60079-31

CSA: C22.2 No. 0-10, CAN/CSA C22.2 NO. 18.3-12, CAN/CSA C22.2 No. 60079-0, CAN/CSA C22.2 No. 60079-7, CAN/CSA C22.2 NO. 94-M91 ANSI/UL 5148, ANSI/UL 60079-0 ANSI/UL 60079-7, ANSI/UL 50

Certificate details

ATEX: ITS16ATEX101338X

IECEX: IECEX ITS 16.0014X

EAC: RU C-GB.M 62.B.06227

CSA: CSA00CA1033919X

INMETRO: NCC 18.0165 X

Temperature

Type CV (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 +150°C.

Ingress protection (IP):

IP66 when fitted in accordance to manufacturer's instructions.

To be obsoleted by the end of 2022 and replaced by the Redapt series.

Please see our Redapt options for a suitable alternative:

DP-E breather drains, click [here](#) to discover

BD-U breather drains, click [here](#) to discover



For CT breather drains, download certificates [here](#)

For CV breather drains, download certificates [here](#)

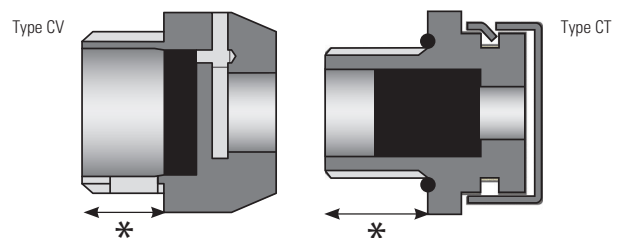
Product dimensions - type CT (Exd/Exe)

Thread	Hex A/F (mm)	Thread length (mm)	OAL (mm)
M20	27.0	16.0	31.0
M25	31.8	16.0	31.0
1/2" NPT	27.0	20.0	35.0
3/4" NPT	27.9	20.0	35.0

Product dimensions - type CV (Exe)

Thread	Diameter (mm)	Allen key (mm)	Head protrusion (mm)
M16	20.0	10.0	14.0
M20	25.4	10.0	14.0
M25	30.5	10.0	14.0
M32	38.0	10.0	14.0
1/2" NPT	25.4	10.0	14.0
3/4" NPT	30.5	10.0	14.0
1" NPT	38.0	10.0	14.0

Other sizes / threads are available upon request.



* Minimum 8 full threads parallel, 5 full threads taper. (Exd)