

Increased safety (Exe) breather drains (metallic) - DP-E Series



Type DP-E

Redapt DP-E series of Exe breather drains provide a method of preventing moisture build-up within a hazardous area approved enclosure whilst ensuring the integrity and Ex approval of the installation is maintained.

They allow for air within an enclosure to breathe with the surrounding atmosphere helping to prevent condensation and any potential damage to sensitive electric/electronic equipment housed within. All whilst maintaining an IP66 rating of the enclosure it is installed in.

Designed for hazardous area applications, Redapt's DP-E series of breather drains are certified to protection concept Exe "Increased Safety" for use in Zone 1 and Zone 2 applications. Also certified Ex tb "dust tight" for use in Zone 21 & 22 applications.

Materials

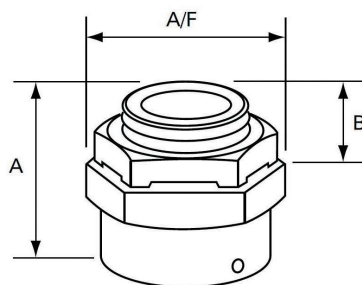
- Brass CZ121
- 316 stainless steel
- Aluminium

Plating options

- Electroless nickel
- Zinc
- Others on application

Threadforms

- Metric
- NPT



Dimensions

Size	A/F	Overall length (A)	Thread length (B)
M20	28.60	23.00 (min.)	10.00 (min.)
M25	34.90	23.00 (min.)	10.00 (min.)
M32	41.30	23.00 (min.)	10.00 (min.)
½" NPT	28.60	28.00 (min.)	15.00 (min.)
¾" NPT	34.90	28.00 (min.)	15.00 (min.)
1" NPT	41.30	28.00 (min.)	15.00 (min.)

For M16 dimensions please contact our customer service team.

Technical specifications

Code of protection categories

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

IECEX: Ex e I/II 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 514B, ANSI/UL 60079-0 ANSI/UL 60079-7, ANSI/UL 50

Certificate details

ATEX: ITS16ATEX101338X

IECEX: IECEX ITS 16.0014X

EAC: RU C-GB.M1062.B.06227

CSA: CSA00CA1033919X

INMETRO: NCC 18.0165 X

Temperature

Dependent on filter and O-ring seal

Metallic body: -60°C to +200°C, without an O-ring seal

Filter options:

HDPE filter: -50°C to 85°C

Metal filter: dependent on interface material

Interface O-ring Material options:

Nitrile: -30°C to +80°C (supplied as standard with HDPE filter version)

EPDM: -50°C to +100°C

Neoprene: -40°C to +80°C

Viton: -20°C to +180°C

Silicone: -60°C to +180°C

Fluorosilicone: -60°C to +130°C

Ingress protection (IP):

IP66 when fitted in accordance to manufacturer's instructions.

Part number:

Please refer to page 10 for part numbering system

[Download certificates and documents here](#)