

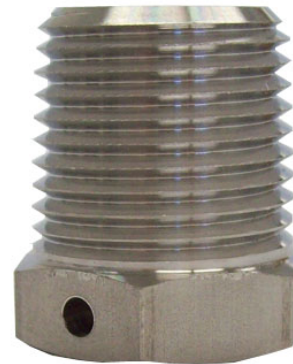
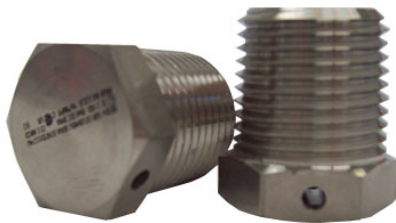
DATA SHEET:

TYPE 'BD' BREATHER DRAINS

Type 'Bd' Breather Drains are used to allow the air inside an 'Ex d' Flameproof or Class I, Division 1 Explosionproof enclosure to breathe with the surrounding atmosphere and also to allow any moisture that enters the enclosure to drain while maintaining the overall integrity of the installation.



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Approvals & Specifications

ATEX/IECEX	Exd IIC Gb & Ex tb IIIC Db IP6X IEC/EN 60079-0, IEC/EN 60079-1, IEC 60079-31 ATEX/94/9/EC
NEC/CEC	Class I, Division 1 Groups ABCD Class II, Groups EFG, Class III UL1203, UL514B, UL50 C22.2 Nos. 30, 0.5, 0-M, 45, 18.3-04, 94-M91 AExd IIC / AExe II Class I, Zone 1
Thread Gauging	Metric: 1.5mm Pitch- Medium Fit 6g NPT: Male L1 +/-1 Turn Other Thread Forms Available on Application
Material Options	Nickel Plated Brass 'N' (-50 to + 80°C) 316 Stainless Steel 'S' (-50 to +80°C)
'O' Ring Options	Nitrile (-30 to +80°C) Silicone (-50 to +80°C) Nitrile 'O' ring supplied as standard on versions with parallel male threads
Ingress Protection	With 'O' Ring or Thread Sealant, (Non-Hardening) IP 66 68, NEMA 4X 316SS & Nickel Plated Brass. Without 'O' Ring or Thread Sealant IP54
Impact Resistance	7Nm

Part Number Structure

Example - Bd.20.N.NT

- Type 'Bd' Breather Drain
- M20 Male Thread
- Nickel Plated Brass
- Nitrile 'O' Ring

Product

Bd Type Bd Breather Drain

Thread Designation

Metric	NPT	NPS	ISO	ISO	ET	PG
20	½	½S	½P	½T	¾E	13
25	¾	¾S	¾P	¾T	1E	16P

Material

'O' Ring

N	Nickel Plated Brass	NT	Nitrile (Std.)
S	316 Stainless Steel	SC	Silicone

DATA SHEET:

TYPE 'BE' BREATHER DRAINS

Type 'Be' Breather Drains are used to allow the air inside an enclosure to breathe with the surrounding atmosphere and also to allow any moisture that enters the enclosure to drain while maintaining the overall integrity of the installation.



Approvals & Specifications

- ATEX/IEC** Exe IIC Gb & Ex tb IIIC Db IP6X
IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 60079-31
ATEX/94/9/EC
- NEC/CEC** AExe II Class I, Zone 1
UL2279, UL60079-0, UL60079-7, UL60079-1-1
E60079-0, E60079-7, E60079-1-1
- Thread Gauging** Metric: 1.5mm Pitch - Medium Fit 6g
NPT: Male L1 +/-1 Turn
Other Thread Forms Available on Application
- Material Options** Nickel Plated Brass 'N' (-50 to +80°C)
316 Stainless Steel 'S' (-50 to +80°C)
- 'O' Ring Options** Nitrile (-30 to +80°C)
Silicone (-50 to +80°C)
Nitrile 'O' ring supplied as standard on versions with parallel male threads
- Ingress Protection** With 'O' Ring IP 66, NEMA 4 (316 Stainless 4X)
With Thread Sealant (Non-Hardening) IP 66, NEMA 4 (316 Stainless 4X)
Without 'O' Ring or Thread Sealant IP54
- Impact Resistance** 7Nm
- Clearance** HLS Type Be Breather Drains are certified for Exe clearance hole applications where the castellated nut is used to secure the installation

Part Number Structure

Example - Be.20.N.NT

- Type 'Be' Breather Drain
- M20 Male Thread
- Nickel Plated Brass
- Nitrile 'O' Ring

Product

Be Type Be Breather Drain

Thread Designation

Metric	NPT	NPS	ISO	ISO	ET	PG
20	1/2	1/2S	1/2P	1/2T	3/4E	13
25	3/4	3/4S	3/4P	3/4T	1E	16P

Material

'O' Ring

N	Nickel Plated Brass	NT	Nitrile (Std.)
S	316 Stainless Steel	SC	Silicone