Metallic Breather Drain

Ex eb : Ex ta IP66 : AEx eb : AEx ta

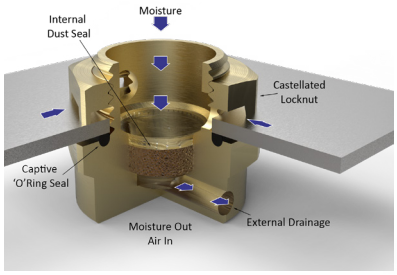
PRODUCT TYPE ACDP

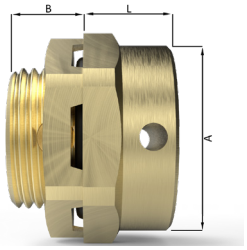
PRODUCT DESCRIPTION

"ACDP" Series Breather Drains allow the inside of the equipment to breathe with the outside atmosphere and provide a method of effectively draining any moisture from within the equipment. ACDP series Breather Drains maintain Ex eb method of protection and IP66 for IEC type applications. A Castellated Locknut and O-ring is supplied with every Breather Drain.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-7, EN 60079-31
IEC 60079-0, IEC 60079-7, IEC 60079-31 & 60529
C22.2 (see certificate), UL 514B, ANSI/UL 60079-0, UL 60079-7, UL 60079-31, UL 50E





CERTIFICATION:

UKEX	I M2 II 1D 2G Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
ATEX	I M2 II 1D 2G Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
IECEx	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
UL	Class I Zone 1 AEx eb IIC Gb / Zone 20 AEx ta IIIC Da
CEC - Canada	Ex eb IIC / Ex ta IIIC
NEC - USA	Class I Zone 1 AEx eb IIC Gb / Zone 20 AEx ta IIIC Da
EAC	PB Ex eb I Mb X / 1Ex eb IIC Gb X / Ex ta IIIC Da X
INMETRO - Brazil	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
CoC - China	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
UKRAINE	I M2 Ex eb I Mb / II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da
CCoE - India	Ex e IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
DNV	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da

EXAMPLE PART NUMBERING: ACDP1BE/NP/M20/10

ACDP	Breather Drain c/w Castellated Locknut
1	No IP O-ring (0) - Nitrile (1) - Silicone (3)
B	Brass (B) - Stainless Steel (S) - Aluminium (A)
E	Multiple Certification
NP	Nickel Plated
M20	Male Entry Thread
10	Entry Thread Length 10mm or 15mm
X	No Castellated Locknut (X) - Stainless Steel Sinter (S)

CERTIFICATION No:

UKEX	CML 21UKEX3029X
ATEX	CML 19ATEX3347X
IECEx	IECEx CML 19.0105X
UL	E340660
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	RU C-GB.АЖ58.B.051063/24
INMETRO - Brazil	NCC 13.2191 X
CoC - China	CNEx21.5374X
UKRAINE	СЦ 18.0319 X
CCoE - India	PESO P365300/8
ABS	20-LD1944057-PDA
LLOYD'S	LR2124442TA
DNV	TAE00004XK

IP RATING:	IP66	
OPERATING TEMPERATURE:	O-ring - None	-100°C to +400°C
	O-ring - Nitrile	-30°C to +100°C
	O-ring - Silicone	-60°C to +200°C
MATERIALS:	Brass, Stainless Steel or Aluminium	
PLATING:	Electroless Nickel	
FLOW RATE:	0.25 Litres per Hour	

BREATHER DRAIN SELECTION TABLE (ALL DIMENSIONS IN mm)

Thread Size	A/F [A]	A/C	Length [B]	Length [L]	Weight (Kgs)
M12 x 1.5	19.0	20.9	10 or 15	12.0	0.032
M16 x 1.5	24.0	26.4	10 or 15	12.0	0.052
M20 x1.5	27.0	29.7	10 or 15	12.0	0.065
M25 x 1.5	31.8	34.9	10 or 15	12.0	0.097
M32 x 1.5	37.6	41.3	10 or 15	12.0	0.107
1/2" NPT	28.6	31.4	15	12.0	0.075
3/4" NPT	33.0	36.3	15	12.0	0.107

NOTES

- Assembly instructions must be read prior to installation and adhered to in full.
- All Breather Drains are supplied with Castellated locknut as standard.
- The standard O-ring material is nitrile. Other options are available upon request.
- Aluminium versions are not suitable for Group I Mining application.
- The ACDP flow rate was obtained from testing in an empty enclosure filled with water. The enclosure had no heat or pressure producing equipment inside. Flow rates in the field may vary depending on operational parameters and surrounding environmental conditions.
- To maintain the specified IP rating, clearance holes must be in accordance with EN 62444 and the entry device should be suitably secured.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to the general machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- Where approval in addition to UKEX, ATEX, IECEx, UL and CSA is required, this must be clearly requested at time of enquiry / order.