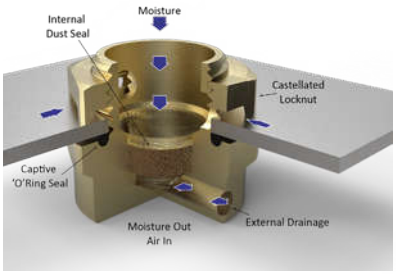
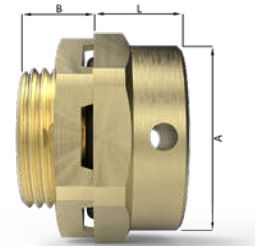
PRODUCT TYPE ACDP

Metallic Breather Drain

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





PART NUMBERS:

ACDP	0	B	E
	1	S	
	3	A	

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

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)

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	

CERTIFICATION:

ATEX	I M2 II 2GD 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 1 Zone AEx eb IIC Gb / Zone 20 AEx ta IIIC Da
CEC - Canada	Class I Zone 1 Ex eb IIC / Class II Zone 20 Ex ta IIIC
NEC - USA	Class I Zone 1 AEx eb IIC Gb / Class II Zone 20 AEx ta IIIC Da
EAC	РП Ex e I Mc X / 1Ex e IIC Gb X / Ex ta IIIC Da X
INMETRO - Brazil	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
SAC - China	Ex e IIC Gb
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 e I Mb / Ex e IIC Gb / Ex tb IIIC Db
RS - Russia	Ex e IC / Ex e IIC / Ex tb IIIC

CERTIFICATION No:

ATEX	CML 19ATEX3347X
IECEx	IECEx CML 19.0105X
UL	E340660
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	TC RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2191 X
SAC - China	NEPSI GYJ16.1407X
UKRAINE	СЦ 18.0319 X
CCoE - India	PESO P365300/8
ABS	20-LD1944057-PDA
LLOYD'S	10/00056(E1)
RS - Russia	19.00189.278

CABLE GLAND 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.
- 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 the supplied Peppers installation instructions and the 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 ATEX, IECEx, CSA and UL is required, this must be clearly requested at time of enquiry / order.