



PRODUCT TYPE ACDP

Metallic Breather Drain

Ex e : Ex ta IP66 : AEx e : 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 e 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 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & 60529
C22.2 (see certificate), UL514B, UL1203, ANSI/UL 60079-0/1/7, ISA 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	Ex e certification including Marine Approvals
NP	Nickel Plated
M20	Male Entry Thread
10	Entry Thread Length 10mm or 15mm

REFERENCE NUMBER: 7.3.0

IP RATING:	IP66 & NEMA 4X
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 IIC Da
IECEX	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da
CEC - Canada	Class I Zone 1 Ex e IIC / Class II Zone 21 Ex tb IIIC
NEC - USA	Class I Zone 1 AEx e IIC Gb / Class II Zone 21 AEx tb IIIC Db
EAC	Exe IU / Exe IIU
INMETRO - Brazil	Exeb I Mb / Ex eb IIC Gb / Ex ta IIC Da
SAC - China	Ex e IIC
UKRAINE	Exe IU / Exe IIU
CCoE - India	Ex e IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Enclosure Systems (Part 1B)
RMRS	Part XI of Rules for sea-going ships (ed.2014)

CERTIFICATION No:

ATEX	SIRA09 ATEX3321X
IECEX	IECEX SIR 09.0132X
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	RU C-GB.Γ506.B.00098
INMETRO - Brazil	NCC 13.2189 X
SAC - China	NEPSI GYJ16.1407X
UKRAINE	UA.TR.047.C.0408-13 & 2937
CCoE - India	PESO P365300/8
ABS	14-LD1183401-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

Thread Size	A/F	A/C [A]	Length [B]	Length [L]	Weight
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 x 1.5	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.
- 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.
- IECEX / ATEX versions are supplied as standard. If additional approvals are required they must be requested at time of order.
- The standard O-ring material is nitrile. Other options are available upon request.
- All Breather Drains are supplied with Castellated locknut as standard.
- Aluminium versions are not suitable for Group I Mining application.