



# 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

REFERENCE NUMBER: 7.3.0

EXAMPLE PART NUMBERING:  
ACDP1BE1NP/M20/10

<b>ACDP</b>	Breather Drain c/w Castellated Locknut
<b>1</b>	No IP O-ring (0) - Nitrile (1) - Silicone (3)
<b>B</b>	Brass (B) - Stainless Steel (S) - Aluminium (A)
<b>E</b>	Ex e certification including Marine Approvals
<b>NP</b>	Nickel Plated
<b>M20</b>	Male Entry Thread
<b>10</b>	Entry Thread Length 10mm or 15mm

<b>IP RATING:</b>	IP66 & NEMA 4X
<b>OPERATING TEMPERATURE:</b>	O-ring - None -100°C to +400°C
	O-ring - Nitrile -30°C to +100°C
	O-ring - Silicone -60°C to +200°C
<b>MATERIALS:</b>	Brass, Stainless Steel or Aluminium
<b>PLATING:</b>	Electroless Nickel
<b>FLOW RATE:</b>	0.25 Litres per Hour

CERTIFICATION:

<b>ATEX</b>	I M2 II 2GD Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da
<b>IECEX</b>	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da
<b>CEC - Canada</b>	Class I Zone 1 Ex e IIC / Class II Zone 21 Ex tb IIIC
<b>NEC - USA</b>	Class I Zone 1 AEx e IIC Gb / Class II Zone 21 AEx tb IIIC Db
<b>EAC</b>	Exe IU / Exe IIU
<b>INMETRO - Brazil</b>	Exeb I Mb / Ex eb IIC Gb / Ex ta IIC Da
<b>SAC - China</b>	Ex e IIC
<b>UKRAINE</b>	Exe IU / Exe IIU
<b>CCoE - India</b>	Ex e IIC Gc
<b>ABS</b>	Specified ABS Rules
<b>LLOYD'S</b>	Enclosure Systems (Part 1B)
<b>RMRS</b>	Part XI of Rules for sea-going ships (ed.2014)

CERTIFICATION No.:

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