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	RS				7 Spanner		Box 467 sfontein 1665	SOLANDALIAN
Explosion Preventio		Pty) Ltd				27 (11) 3		and
Rea No: 1999/027771/07	IT Services	,)		E-mail:	admin-mgr	27 (11) 3 @explolat		
»		APPROVED 1			v			See
IN TERMS OF ARP 0108:						RATUS"		HLIN'S
			ATE					(GUNTA
				Date Issued			n 2024	-
				*Expiry date	9:	Page	n 2027 e 1 of 4 ssue: 2	NATION
Ex – Type Examination Ce	ertificate					14	55uc. 2	The second
Certificate Number:	S-XPL/21.030							LOUR L
	Breather/Drai 781D and Typ							10
	CMP Product							CHLIN
	Glasshouse							(COLTAN)
	St Peters	.						
	Newcastle Up NE6 1BS	on Tyne						
	United Kingd	om						(Gel)
Manufacturer: 0	CMP Product	s Ltd						- NA
		bers imported						
I		red by a valid r	eport or a	cceptable pr		lication	nark.	
2		Supplied by						ALLAN
		MP Products L						(COL)
\$	Identified b	y Inspection Au S-XPL/21.030		mber				a second
		0-XI L/21.030						
And as described in the Explol	abs file numb	er XPL/21962	/ 21.0304 i	s herebv ce	rtified "Exc	losion F	rotectec	
(Refer to clause 1, for Ex Rati	<u>ng)"</u> , having							
requirements of South African S	Standards.							ARXIN.
SANS 60079-0: 2019 Ed 6								C.
IEC 60079-0: 2017 Ed 7	Explosive at	mospheres Pa	rt 0: Equip	ment — Gei	neral requi	rements		ALIAN P
SANS 60079-1: 2015 Ed 5	Explosive a	atmospheres F	Part 1: F	auipment n	rotection	bv flam	eproof	(CON)
IEC 60079-1: 2014 Ed 7	enclosures '			1		.,		T.N.S.
SANS 60079-7: 2019 Ed 4 IEC 60079-7:2015 Ed 5	Explosive at "e"	tmospheres Pa	rt 7: Equip	oment protec	ction by in	creased	safety	Contraction of
SANS 60079-31: 2014 Ed 2 IEC 60079-31: 2013 Ed 2	Explosive a enclosure "t	tmospheres Pa "	art 31: Ec	quipment du	ist ignition	protecti	on by	SOLAN ALLAN
Risk of ignition provided:								AT ALLER
Equipment								

Brow	Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
2		Group			. emp (e)
MOM	High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or	Equipment remains functioning in zones 1 and 2	
N	High	Db Group III	equipment where faults are normally taken into account	Equipment remains functioning in zones 21 and 22	Not Applicable
SMORE		Th	is certificate supersedes all previous docume	nts bearing the reference no XPL/219)62/21.0304 Issue 1.

This certificate supersedes all previous documents bearing the reference no XPL/21962/21.0304 Issue 1. DOCUMENT No: XPL0213 RELEASE DATE: 29/05/2018 REV: 7 PRIOLARS PRIOL PRIOL PRIOL PRIOL PRIOL PRIOL PRIOL P



The entry thread of the Type 781E drain plug has two axial slots cut along its length 180° opposed to each other. The drainage channels through the body allows for the passage of moisture through the felt pad.

The Type 781D plug has a threaded inner portion into which is screwed a plug to form a threaded flamepath. Moisture is allowed to drain through this flamepath.

The Type 781D plug can be used with enclosures up to 30 litres for Group IIB gases and enclosure up to 2.5 litres for Group IIC gases.

Materials of manufacture:

The standard material supplied is:

0.36 sg felt plug which is a press fit.

Brass	BS EN 12164:2011/ BS EN 12168:2011 Grade CuZn39Pb3 (CW614N)	1
	All brass manufactured component parts can be optionally nickel plated to a	
	maximum of 0.008mm	A STATE OF TAXABLE

Alternate materials are:

/ itemate matemate	
Stainless steel	BS EN 10088-3:2014 Grades 316S11, 316S13, 316S31, 316S33, 316L
Mild steel	BS EN 10277-2:2008 Grades 220M07, 230M07 (EN1A) / 220M07Pb,
	230M07Pb (EN1APb)
Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 Grade 6082 T6, 6262 T6 / BS EN
	1676:2010 Grade LM25 TF

Alternative entry component thread forms:

		200
Metric	ISO 965-1, ISO 965-3 medium fit (6g) for external threads	16
ET (Conduit)	BS31:1940 (1979), Table A	LANS
PG	DIN 40430:1971	
BSPP	BS2779:1986 class A full form for external threads	ALC: N
BSPT	BS21:1985 standard threads only as clause 5.4, gauging to clause 5.2 system A	MA
ISO	ISO 7/1:1994, gauging to ISO 7/2 clause 6.3 for external threads	100
NPT	ANSI/ASME B1.20.1-2013 gauging to clause 3.2 for external threads	INTER
NPSM	ANSI/ASME B1.20.1-2013 gauging to clause 6.4 for external threads	0LN

Conditions (ANNEX TO C				DF 4
The following certification.	g conditions ar			ess for compliance	with
I. The Type 7	81D shall not be	made from Nylon 6			
Based on the	following docun	nentation: IECEx CM	IL 18.0187U Issue N	o.: 0	
	ON INSTRUCTI	ONS			
			tallation instructions	with each unit offered	d for s
)79-0 Clause 30.			
as required by	y IEC/SANS 600)79-0 Clause 30.			
as required by	y IEC/SANS 600)79-0 Clause 30.	d by "X" after certificate		
as required by	y IEC/SANS 600)79-0 Clause 30.			
as required by SPECIAL CO None.	y IEC/SANS 600)79-0 Clause 30.	d by "X" after certificate		
as required by SPECIAL CO None.	Y IEC/SANS 600 NDITIONS FOR OF LIMITATION	079-0 Clause 30. R SAFE USE (denote	d by "X" after certificate	e number)	
as required by SPECIAL CO None. SCHEDULE The following	y IEC/SANS 600 PNDITIONS FOR OF LIMITATION conditions relate	079-0 Clause 30. R SAFE USE (denote IS (denoted by "U" afte e to safe installation	d by "X" after certificate er certificate number) and/or use of the equ	e number)	
as required by SPECIAL CO None. SCHEDULE O The following i. The product	y IEC/SANS 600 PNDITIONS FOR OF LIMITATION conditions relate	079-0 Clause 30. R SAFE USE (denote IS (denoted by "U" afte e to safe installation	d by "X" after certificate er certificate number) and/or use of the equ	<i>number)</i> uipment.	
as required by SPECIAL CO None. SCHEDULE The following i. The produced Type Type	y IEC/SANS 600 PNDITIONS FOR OF LIMITATION conditions related ucts are approve	079-0 Clause 30. R SAFE USE (denote IS (denoted by "U" after to safe installation ad for the following te	d by "X" after certificate er certificate number) and/or use of the eque emperature ranges af	<i>number)</i> uipment. their point of mounti	
as required by SPECIAL CO None. SCHEDULE The following i. The produced Type Type	y IEC/SANS 600 ONDITIONS FOR OF LIMITATION conditions relate ucts are approve pe 781D stallic	079-0 Clause 30. SAFE USE (denote IS (denoted by "U" after the to safe installation ad for the following te Type 781E	d by "X" after certificate er certificate number) and/or use of the equ emperature ranges at Type 781E	<i>number)</i> uipment. their point of mounti Type 781E	

breather/drain plug with the following maximum permitted volumes of en				
(The following temperatures are to be added to the maximum permitted amb	bient temperature of the			
equipment the 781D breather is mounted to in order to obtain the maximum surface temperature)				
Maximum 2.5 litre volume enclosure for Gas Group IIC	4°C			
Maximum 30 litre volume enclosure for Gas Group IIB	42°C			

iii. The Type 781 breather/drain plugs shall be installed in the bottom face of enclosures only.

iv. The Type 781 breather/drain plugs shall not be used with any form of adaptors or reducers.

v. The Type 781D breather/drain plug have undergone overpressure testing at 160 bar (4x40 bar).

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CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

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This certificate supersedes all previous documents bearing the reference no XPL/21962/21.0304 Issue 1.
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	ANN	EX TO CERTIFICATE NO S-XPL/21.0304 U PAGE 4 OF 4	
	6. MARKING		Contraction of the
		nilar) information have to be clearly and permanently marked on all units:	1
	Supplier	CMP Products Limited	
ž	Manufacturer	CMP Products Ltd	No.
P	Equipment	Breather/Drain Plugs	į
2	Model/Type :	781D and Type 781E	
ğ	Serial No.		
	Ex Rating :	Ex db IIC Gb (781D)	Contraction of the local data
1		Ex eb IIC Gb (781E)	1
3		Ex ta IIIC Da	
	IA Certificate No	S-XPL/21.0304 U	ANT THE REAL
	This partification indicator compliance	ith P10.1 of the Mines Health and Safety Act and/or EMP 0/2) of the Occurational Health and Safety Act provided	1
	that the apparatus is used as relevant in	vith R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided accordance with:	

SANS 10086 and IEC/SANS 61241-14 requirements as applicable;

Any conditions mentioned in the above report;

Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and

Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.

A revision certificate replaces all previous version of the certificate. * - Only covers equipment Imported between the "Issued" and "Expire" dates.

If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

Responsible Testing Officer:

D Maree **Technical Specialist** EXPLOLABS EXPLOSION PREVENTION SERVICES

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

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