

it's cool to be safe

CGA

CG - CGF

CGI - CGL - CGV

CGP

PLP - LNP

CGAW

CGW

CGPW

PLH - PLR

RAA - RAB - RAM - RAN

BFF - RFF

BMF - RMF

BMM - RMM

EYS - EZS

SND - SBD

FG - ET - LN - SH - SHA

it's cool to be safe explosion proof electrical equipment



SUPER CONNECT

The equipment we introduce in this catalogue are designed to satisfy most of our clients' requirements to CONNECT explosion proof electrical equipment.

All equipment are manufactured using materials able to resist in most highly corrosive environment and to ensure a modern functionality solution and a long duration of investment.



CGP - PLP - LNP

The cable glands and plugs are normally installed in the chemical and petrochemical plants, off-shore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present.

The whole series are designed to allow direct entry of unarmoured cables into Ex e and Ex i enclosures to provide any electrical connection with external circuits.





Function

The CGP series cable glands are equipped with a sole gasket covering all the installation requirements on Ex e and Ex i enclosures and are suitable for Zone 1 - 21 (gas) and Zone 2 -22 (dust).

The cable glands to be used with circuit Ex i can be requested with pressure cap painted light blue.

The PLP series plugs are normally installed on Ex e and Ex i enclosures to protect the internal equipment by the penetration of liquids and dust before the installation of cable glands. They also allow the presence of spare hubs on the enclosure to be used in case of future expansions.

Both CGP cable glands and PLP plugs must be secured with internal locknut model LNP.

Construction

The materials used to manufacture the cable glands and plugs have been studied to grant the maximum protection against the highly corrosive agents present in these industries.

They are made of polyamide according to EN 50262 and are suitable for ambient temperature -20°C +80°C with a flammability resistance V2 according to UL 94.

Upon request it is available also in the version with thread PG DIN 40430.



Protection

certificate number: IMQ 08 ATEX 012 X TC RU C-IT.AA87.B.00509

marking: Ex e IIC Gb - Ex i IIC Gb - Ex tb IIIC Db

ambient -40°C +95°C temperature:

degree of protection: IP66 / IP68

conformity: Directive ATEX 2014/34/EU TP TC 012/2011

standards: IEC-EN60079-0 IEC-EN60079-7 IEC-EN60079-11 IEC-EN60079-31

FOCT 31610.0 FOCT P M9K 60079-7 FOCT 31610.11 FOCT P M9K 60079-31

category: suitable for Zone 1 - 21 (gas) and Zone 2 - 22 (dust)



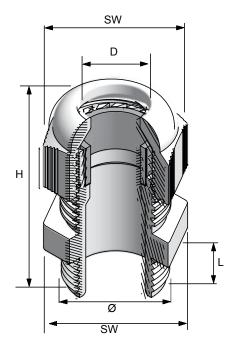
CGP series cable glands for unarmoured cables



Code	Ø	D		Н	L	6144
Code	Metric	min	max	min	min	SW
CGP 01	M16 x 1.5	3	7	43	15	22
CGP 1	M20 x 1.5	6	12	44	15	24
CGP 12	M20 x 1.5	10	14	46	15	27
CGP 2	M25 x 1.5	13	18	50	15	33
CGP 3	M32 x 1.5	18	25	58	18	42
CGP 4	M40x 1.5	22	32	67	18	53
CGP 5	M50 x 1.5	30	38	67	18	60
CGP 6	M63 x 1.5	34	44	67	18	65



Item	Description
1	CAP
2	SEAL
3	BODY

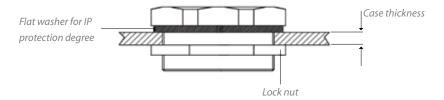




PLP series male plugs with external hexagon



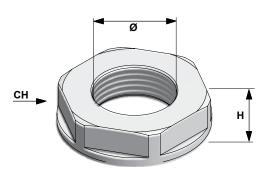
Code	Ø Metric	H min	L min	СН	
PLP 01	M16 x 1.5	10	15	19	
PLP 1	M20 x 1.5	10	15	23	
PLP 2	M25 x 1.5	10	15	28	
PLP 3	M32 x 1.5	15	20	36	
PLP 4	M40 x 1.5	18	27	46	
PLP 5	M50 x 1.5	18	27	55	
PLP 6	M63 x 1.5	18	27	69	



LNP series locknut



Code	Ø Metric	H min	СН	
LNP 01	M16 x 1.5	5	22	
LNP 1	M20 x 1.5	6	26	
LNP 2	M25 x 1.5	6	32	
LNP 3	M32 x 1.5	7	41	
LNP 4	M40 x 1.5	7	50	
LNP 5	M50 x 1.5	8	60	
LNP 6	M63 x 1.5	8	75	





Ordering Tables

Threa	d Type	N	M	Р	ВР	ВТ	G
	02	1/4"	12	-	1/4"	1/4"	1/4"
	01	3/8"	16	-	3/8"	3/8"	3/8"
	1	1/2"	20	7	1/2"	1/2"	1/2"
	2	3/4"	25	9	3/4"	3/4"	3/4"
a	3	1″	32	11	1″	1″	1"
d Siz	4	1″1/4	40	13,5	1″1/4	1″1/4	1″1/4
Thread Size	5	1″1/2	50	16	1″1/2	1″1/2	1″1/2
-	6	2"	63	21	2"	2"	2"
	7	2"1/2	75	29	2"1/2	2"1/2	2"1/2
	8	3″	90	36	3″	3″	3"
	9	-	-	42	-	-	-
	10	4"	110	48	4"	4"	4"

	Code	Description
	N	NPT - ANSI ASME B1.20.1
уре	М	Metric Pitch 1.5 - ISO 262
Thread Type	Р	PG - DIN 40430
Ţ	BP	BSPP - ISO 228/1
	ВТ	BSPT - ISO 228/1
	G	GAS ISO 7/1

	Code	Description
	В	Brass
erial	N	Nickel-Plated Brass
Material	Р	Polyamide
	G	Galvanized Steel
	S	Stainless Steel





Ordering Codes

How to order::

CABLE GLANDS:

5 Product ·····

Example above code:

• Product: Cable Gland for Armoured Cable

• Thread Size and Type: 1" 1/2 NPT • Material: Brass

PLUGS:

	PLH	5	M	В
	*	*	A	
Product ·····	:	:	•	
Thread Size ·		:		
Thread Type			:	
Material ····				

Example above code:

• Product: Plugs with external hexagon

• Thread Size and Type: M50 x 1.5 • Material: Brass

ADAPTORS / REDUCERS:

	RAA	3	N	1	N	S
	A	A	A	A	A	À
Product ·····	:				:	:
Primary Thread Size · · · ·			:		:	
Primary Thread Type ····			:			
Secondary Thread Size · · ·				:	:	
Secondary Thread Type					:	
Material · · · · · · · · · · · · · · · · · · ·						:

Example above code:

• Product: Adaptor (reducer) MALE - FEMALE

1" NPT • MALE Thread Size and Type: • FEMALE Thread Size and Type: 1/2" NPT Material: Stainless Steel

ACCESSORIES:

	LN	3	M	S
	*	A	A	A
	:	:	:	:
Product ·····		:	:	:
Thread Size · · ·		:		:
Thread Type · ·				:
Material ·····				:

Example above code:

• Product: Locknut • Thread Size and Type: M32 x 1.5 Stainless Steel Material:

THREE-PIECES UNIONS:

	BMF	3	N	G
	*	*	A	A
Product ·····	:	:		
Thread Size ··		:		
Thread Type · ·			:	
Material				

Example above code:

Product: Male - female three pieces union 1" NPT

• Thread Size and Type:

Material: Galvanized steel

SEALED NIPPLES:

	SND	2	M	В
	.	*	A	A
Product ·····	:		:	
Thread Size · · ·		:	:	
Thread Type · ·			:	
Material ·····				:

Example above code:

Product:

Sealed Nipple • Thread Size and Type: M25 x 1.5 Material: Brass



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