



it's cool to be safe
explosion proof solution for the global market



RA - PL

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



Use

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

The adaptors are used to resolve all the problems connected to the conduit installation as joints and direct connections of equipment with different sizes of threads and/or different types of thread.

The adaptors and plugs with cylindrical threads are equipped with O-ring to grant an IP 66/68 protection to the enclosure.

Construction

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

They are available in:

- brass
- nickel-plated brass
- galvanized steel
- stainless steel AISI 316

The O-ring are made of neoprene and, for low and high temperature environments, of silicone.

The design of all the adaptors and plugs includes the presence of a hexagon shape to facilitate the installation and to grant the correct tightening level.

All the equipment have the double marking for Ex d and Ex e installations with the sole exception of the components threaded with PG – DIN 40430 that are available only for Ex e installations.

Material	
Code	Description
B	Brass
N	Nickel-Plated Brass
S	Stainless Steel
G	Galvanized Steel


Ordering Codes

In the product pages there are indicated, as standard solutions, only the components threaded with NPT or Metric pitch 1.5 and the ordering codes of the tables show all the possible combinations.

Upon request, there are available other types of thread for any special purpose.

Ordering tables with all possible combinations are listed on pages 54 and 55 of this catalogue.

Protection

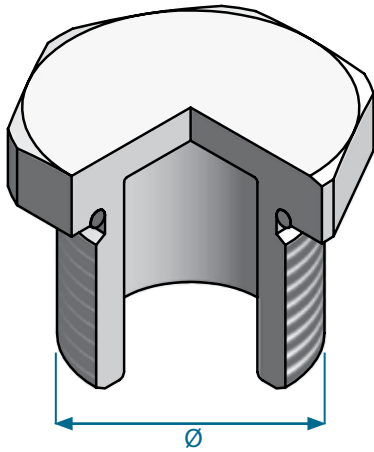
certificate number:	IMQ 12 ATEX 007U	TC RU C-IT.AA87.B.00509
marking:	 II 2GD Ex d IIC Gb - Ex e IIC Gb - Ex tb IIIC Db	
ambient temperature:	-40°C +80°C	
degree of protection:	IP66 / IP68	
conformity:	Directive ATEX 2014/34/EU	TP TC 012/2011
standards:	IEC-EN60079-0 IEC-EN60079-1 IEC-EN60079-7 IEC-EN60079-31	ГОСТ 31610.0 ГОСТ IEC 60079-1 ГОСТ P МЭК 60079-7 ГОСТ P МЭК 60079-31
category:	suitable for Zone 1 - 21 (gas) and Zone 2 - 22 (dust)	



PLH plugs series

male plug with external hexagon

The PLH plug is used for closing the hubs of Ex e and Ex d enclosures before installation of cable glands and/or conduit fittings so to prevent the entrance of dust. The plugs with cylindrical threads must be fixed with internal locknut.



code	Ø	code	Ø
PLH 02N	1/4"	PLH 02M	M12 x 1.5
PLH 01N	3/8"	PLH 01M	M16 x 1.5
PLH 1N	1/2"	PLH 1M	M20 x 1.5
PLH 2N	3/4"	PLH 2M	M25 x 1.5
PLH 3N	1"	PLH 3M	M32 x 1.5
PLH 4N	1 1/4"	PLH 4M	M40 x 1.5
PLH 5N	1 1/2"	PLH 5M	M50 x 1.5
PLH 6N	2"	PLH 6M	M63 x 1.5
PLH 7N	2 1/2"	PLH 7M	M75 x 1.5
PLH 8N	3"	PLH 8M	M90 x 1.5
PLH 10N	4"	PLH 10M	M110 x 1.5

Male thread "N" - NPT ANSI ASME B1.20.1

Male thread - metric pitch 1.5 - ISO 262



PLR plugs series
male plug with external hexagon

The PLR plug is used for closing the hubs of Ex d enclosures before installation of cable glands and/or conduit fittings so to prevent the entrance of dust. The plugs with cylindrical threads must be fixed with internal locknut.



	code	Ø		code	Ø
Male thread "M" - NPT ANSI ASME B1.20.1	PLR 02N	1/4"	Male thread - metric pitch 1.5 - ISO 262	PLR 02M	M12 x 1.5
	PLR 01N	3/8"		PLR 01M	M16 x 1.5
	PLR 1N	1/2"		PLR 1M	M20 x 1.5
	PLR 2N	3/4"		PLR 2M	M25 x 1.5
	PLR 3N	1"		PLR 3M	M32 x 1.5
	PLR 4N	1"1/4		PLR 4M	M40 x 1.5
	PLR 5N	1"1/2		PLR 5M	M50 x 1.5
	PLR 6N	2"		PLR 6M	M63 x 1.5
	PLR 7N	2"1/2		PLR 7M	M75 x 1.5
	PLR 8N	3"		PLR 8M	M90 x 1.5
PLR 10N	4"	PLR 10M	M110 x 1.5		

