delvalle®

Enclosures & Cabinets for Special Requirements

SOLUTIONS IP67 - IP68 DELVALLE

ELECTRICAL BOXES

WITH PROTECTION IP67 - IP68





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WE PUT AT YOUR DISPOSAL

We offer over **45 years** providing solutions to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

WHEREVER YOU GO

We are committed to working closely with our customers, providing them with **exceptional service** and offering an advanced and extensive range of products with very competitive prices.

HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very **highest quality**, suitable and certified products. Our success is due to top quality assurance: ISO 9001, SGS, UL, TÜV, ISO 14000 and ISO45001.

CUSTOMIZE TOTALLY YOUR ENCLOSURE

Our production systems can give custom-made solutions **on demand.** Every colour from RAL chart is available to be personalized. A variety of protection standards thanks to our own painting facilities.

CONTACT US

Confidentiality, reliability & quality

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ALSO ONLINE

Please contact our technical sales department

A team of professionals with high experience and ability to solve all your queries



IP67 - IP68 ELECTRICAL BOXES AND ENCLOSURES

We manufacturer custom made heavy duty waterproof electrical enclosures IP67 - IP68 by standard IEC 60529

The first digit indicates the level of protection that the enclosure provides against access to hazardous parts (e.g., electrical conductors, moving parts) and the ingress of solid foreign objects. The second digit indicates the level of protection that the enclosure provides against harmful ingress of water.

SOLID PARTICLE PROTECTION		LIQUID INGRESS PROTECTION	
IP	DESCRIPTION	IP	DESCRIPTION
0	No protection against contact and ingress of objects	0	No protection against water
1	Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part	1	Dripping water (vertically falling drops) shall have no harmful effect on the specimen when mounted in an upright position onto a turntable and rotated at 1 RPM
2	Protected against solid objects over 12.5mm e.g. hands, large tools	2	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes
3	Protected against solid objects over 2.5mm e.g. wire, small tool	3	Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with a counterbalanced shield. Test a) is conducted for 5 minutes, then repeated with the specimen rotated horizontally by 90° for the second 5-minute test. Test b) is conducted (with shield in place) for 5 minutes minimum
4	Protected against solid objects over 1.0mm e.g. wires	4	Water splashing against the enclosure from any direction shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with no shield. Test a) is conducted for 10 minutes. Test b) is conducted (without shield) for 5 minutes minimum
5	Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment	5	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects
6	No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow	6	Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects
		7	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion)
		8	The protection allows this equipment to be inmersion in to 1 meters of water without ingress during 7 days
		9K	Powerful high temperature water jets (80°C)

IP67 certified allows this enclosure be inmersion in to 1 meter deph of water without ingress during 30 minutes, can be used indoors or outdoor aplications.

IP68 certified allows this enclosure be inmersion in to 1 meters of water without ingress during 7 days, can be used indoors or outdoor aplications.



Delvalle thermal management, provide effective and energy efficient cooling and heating to meet the unique needs of your application. The enclosures are designed to provide protection from rain, sleet, snow, ice, dirt, dust and debris.

IP67

Delvalle series cable glands are used in hazardous, industrial and commercial applications throughout the world, engineering safety and productivity in the most severe environmental conditions. Sealing Is great high-quality materials waterproof seal, the various size grommets allow you to create a tight fit strong and has decent waterproofing features.

IP68



IP67 ELECTRICAL BOXES AND ENCLOSURES

IP67 certified allows this enclosure be inmersion in to 1 meter deph of water without ingress during 30 minutes, can be used indoors or outdoor aplications



STAINLESS STEEL WALL MOUNTED ENCLOSURE
LUXOR SERIES AMPHIBOX IP67

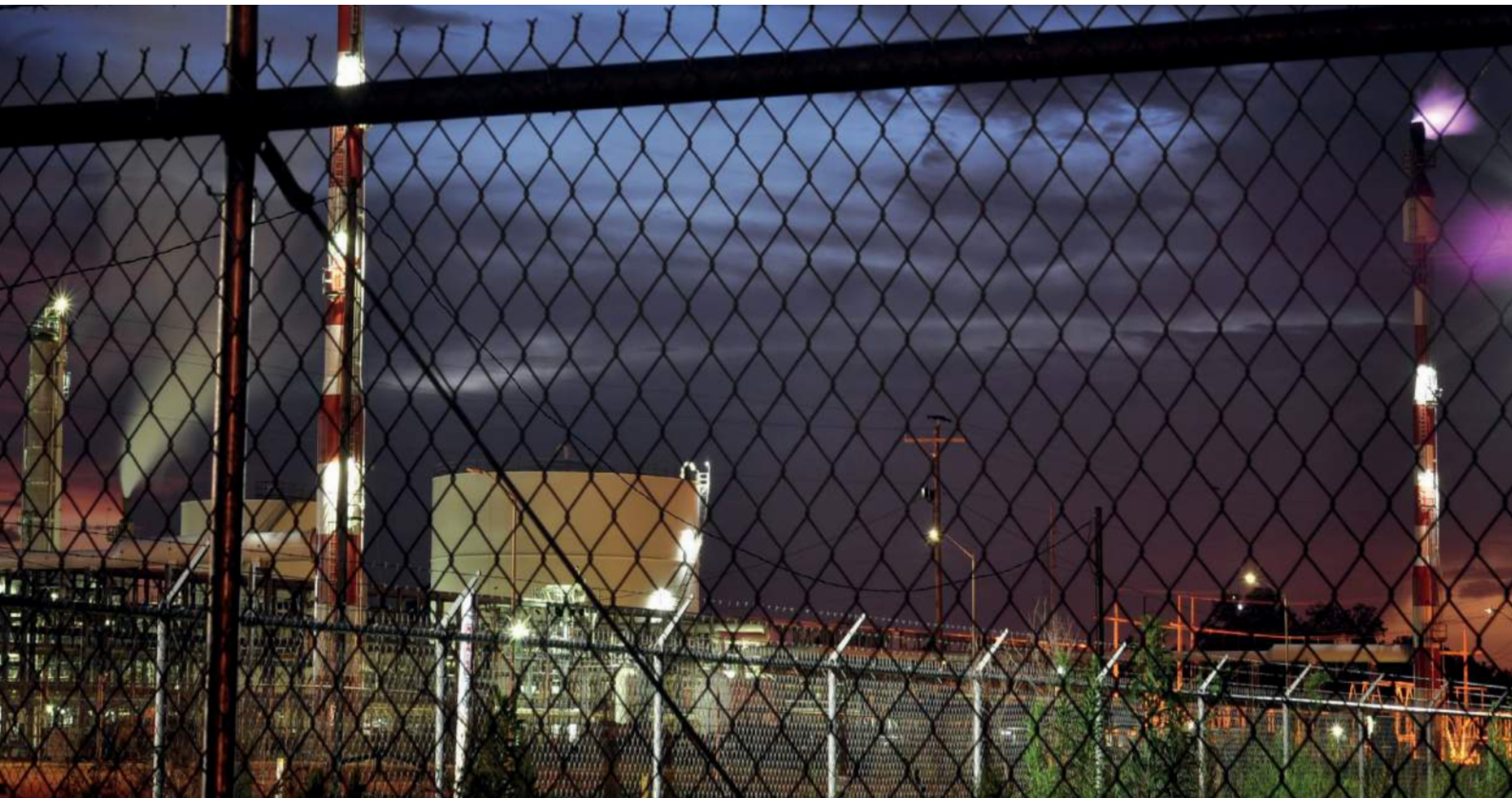


Example

We Offer a Perfect Seal to Protect your Electrical and Electronics Appliances

New range IP67 wall electrical boxes made of stainless steel AISI 304L & AISI 316L, combine a number of features ideal for electrical and electronic applications where security and perfect sealing against dust and water are essential.
The most popular characteristic is the ease of dismantling by screws, with a revolving left door which allows the performance inside the frame without removal or loss of the door.

FOR MORE INFORMATION CLICK HERE



STAINLESS STEEL WALL MOUNTED ENCLOSURE **LUXOR SERIES AMPHIBOX** IP67

APPLICATIONS

This combination of strength and sealing characteristics make it ideal for electronic and electrical inner housing equipment in adverse environments outdoors.



5 YEARS
MECHANICAL PARTS **GUARANTEE**

10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

NORMATIVE

- IP67 Norm IEC EN 62208 and EN 60529. Submersible 1 meter during 30 minutes.
- Maximum IK10 resistance Norm IEC 62208 and EN 50102
- CE standards Low Voltage Directive 2014/35/UE.
- Maximum voltage 1000 V
- RoHs compliant.
- Temperature resistant: -40°C +100°C (short time +160°C).
- Option silicone gasket: from -60°C to +180°C (short time up to +350°C).

OPTIONS

- Order by measure based on your needs.
- With a choice of two doors (from 800x600).
- We recommended using our stainless steel IP68 cable gland for cable entry.
- Manufactured in stainless steel AISI 316L EN 14404.
- Finished in textured paint other RAL colours on request.
- Mounting plate insulator (bakelite) or stainless steel.
- EMC electromagnetic protection seal between the
  frame and the contact surfaces, ensuring a perfect
  electrical connection. Standard 2014/30/UE.

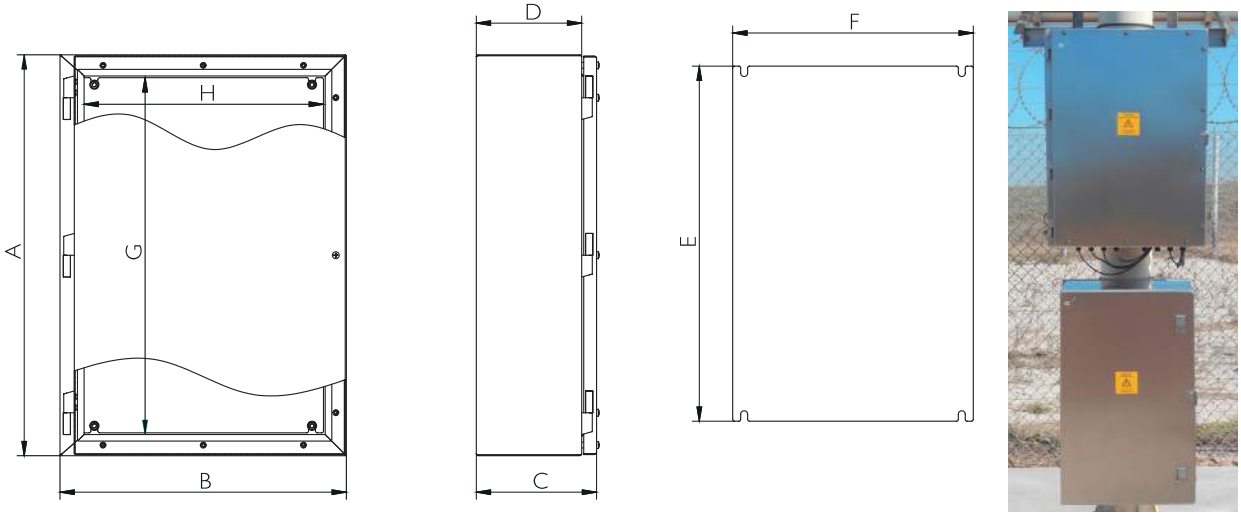
ADVANTAGES

- Sealing allows total protection against dust and water in 1 meter during 30 minutes.
- This type of boxes combine corrosion resistance and the highest market impact IK10.
- The manufacture of the stainless steel monobloc allows sealing and the maximum resistance.
- With flashing channel that avoids contact with the liquid polyurethane gasket.
- Supplied with protective film prevents scratches and abrasions during handling.
- Total protection against dust and water.
- The most robust solution.
  Inox AISI 304L or AISI 316L.
- IP67 Approval.

STAINLESS STEEL WALL MOUNTED ENCLOSURE **LUXOR SERIES AMPHIBOX** IP67

PLAN

CLICK HERE TO DOWNLOAD
THE FILES CAD - PLANS - CERTIFICATES



REFERENCES

REFERENCES	DIMENSIONS (mm)										
BLIND DOOR	HEIGHT -A-	WIDTH -B-	DEPTH -C-	ACCESS -GxH-	DEPTH USEFUL -D-	MACHINABLE AREA			PLATE MEASUREMENT -ExF-	WEIGHT (Kg)	VOLUME (m^3)
						DOOR	SIDE	DOWN			
MVAB302015/67	300	200	155	226x121	129	215,5x110,5	270x99	99x170	220x120	4,602	0,01
MVAB383015/67	380	300	155	306x221	129	295,5x210,5	350x99	99x270	300x220	7,624	0,02
MVAB383021/67	380	300	210	306x221	184	295,5x210,5	350x154	154x270	300x220	8,517	0,03
MVAB404021/67	400	400	210	326x321	184	315,5x310,5	370x154	154x370	320x320	11,148	0,04
MVAB504021/67	500	400	210	426x321	184	415,5x310,5	470x154	154x370	420x320	13,49	0,05
MVAB505021/67	500	500	210	426x421	184	415,5x410,5	470x154	154x470	420x420	16,201	0,06
MVAB705021/67	700	500	210	626x421	184	615,5x410,5	670x154	154x470	620x420	21,504	0,08
MVAB603815/67	600	380	155	526x301	129	515,5x290,5	570x99	99x350	520x300	13,792	0,06
MVAB603821/67	600	380	210	526x301	184	515,5x290,5	570x154	154x350	520x300	15,082	0,06
MVAB605021/67	600	500	210	526x421	184	515,5x410,5	570x154	154x470	520x420	18,853	0,07
MVAB606021/67	600	600	210	526x521	184	515,5x510,5	570x154	154x570	520x520	21,962	0,08
MVAB806030/67	800	600	300	726x521	274	715,5x510,5	770x244	244x570	720x520	31,342	0,16
MVAB808030/67	800	800	300	726x721	274	620x620	770x244	244x770	720x720	39,78	0,21
MVAB108030/67	1000	800	300	960x721	274	820x620	970x244	244x720	920x720	50,418	0,26
MVAB128030/67	1200	800	300	1126x721	274	1020x620	1170x244	244x770	1120x720	59,247	0,31
MVAB101030/67	1000	1000	300	926x921	274	820x820	970x244	244x970	920x920	60,85	0,32
MVAC121230/67	1200	1200	300	1126x1121	274	1020x1020	1170x244	244x1170	1120x1120	83,58	0,39
Version: Norm UL	Add "UL" to reference. Ex. "MVAC121230/67UL"										

Separation depth plate 20mm

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STAINLESS STEEL JUNCTION BOX
GEO AMPHIBOX SERIES IP67



Examples



We Offer a Perfect Seal to Protect your Electrical and Electronics Appliances

New range Geo Amphibox© Series IP67 push-button and junction boxes made of stainless steel AISI 304L & AISI 316L, combine a number of features ideal for electrical and electronic applications where security and perfect sealing against dust and water are essential.

FOR MORE INFORMATION CLICK HERE



STAINLESS STEEL JUNCTION BOX GEO AMPHIBOX SERIES IP67

APPLICATIONS

This combination of features make it ideal for inner housing of electronic and electrical in harsh environments weathering, marine, oil & gas where the level of protection should be provided by high sensitive components in applications such as food preparation, washing areas, both inside and out.

NORMATIVE

- IP67 Norm IEC EN 62208 and EN 60529. Submersible 1 meter during 30 minutes.
- Maximum IK10 resistance Norm IEC 62208 and EN 50102.
- CE standards Low Voltage Directive 2014/35/UE.
- Corrosion resistance C5M, according to ISO 12944 (AISI 316).
- Compliant RoHS Directive 2011/65/UE.
- Maximum voltage 1000 V.
- Complies with food industry regulations, food contact materials EC 1935/2004.
- Unlosable screws.
- Temperature resistant: -40°C +100°C (short time +160°C).
- Option silicone gasket: from -60°C to +180°C (short time up to +350°C).

OPTIONS

- Order by measure based on your needs.
- We recommended using our stainless steel IP68 cable gland for cable entry.
- Manufactured in stainless steel AISI 316L. EN 14404.
- Finished in textured paint RAL on request.
- Mounting plate insulator (bakelite) or stainless steel.
- EMC electromagnetic protection seal between the frame and the contact surfaces, ensuring a perfect electrical connection EEC standard 2014/30/UE.

ADVANTAGES

- Sealing allows total protection against dust and water in 1 meter during 30 minutes.
- This type of boxes combine corrosion resistance and the highest market impact IK10.
- The manufacture of the stainless steel monobloc allows sealing and the maximum resistance.
- Supplied with protective film prevents scratches and abrasions during handling.
- Strength, durability and long life.
- Inox AISI 304L or AISI 316L.
- Ideal enclosure for outdoor and adverse conditions.

STAINLESS STEEL JUNCTION BOX GEO AMPHIBOX SERIES IP67



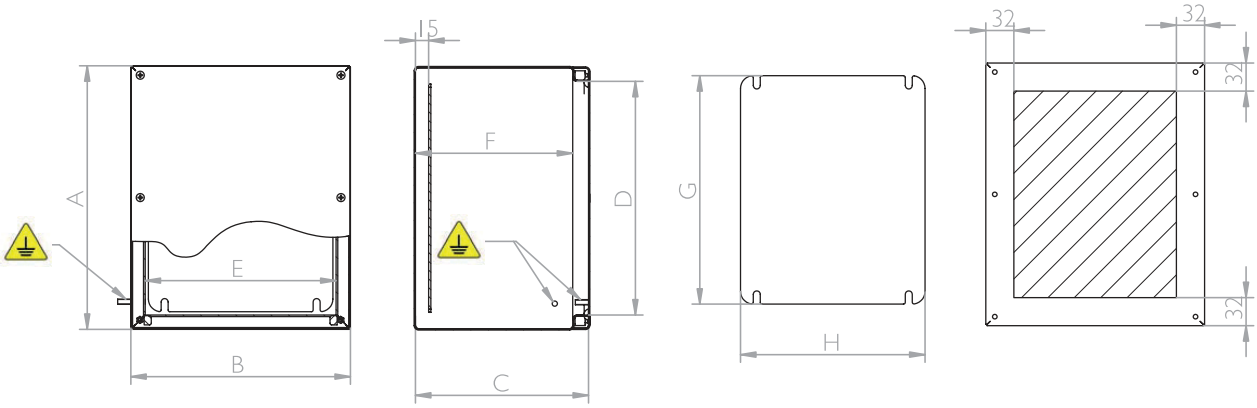
10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

5 YEARS
MECHANICAL PARTS **GUARANTEE**



PLAN

CLICK HERE TO DOWNLOAD
THE FILES CAD - PLANS - CERTIFICATES



REFERENCES

REFERENCES	DIMENSIONS (mm)								
BLIND COVER	HEIGHT -A-	WIDTH -B-	DEPTH -C-	ACCESS -DxE-	MACHINABLE AREA			PLATE MEASURE	WEIGHT (Kg)
					LID	SIDE	UP/DOWN		
MVCB909080/67	90	90	80	39,6x39,6	16x16	80x53,8	53,8x80	24x24	0,566
MVCB149080/67	140	90	80	89,6x39,6	66x16	130x53,8	53,8x80	74x24	0,797
MVCB209080/67	200	90	80	149,6x39,6	126x16	190x53,8	53,8x80	134x24	1,073
MVCB269012/67	260	90	120	209,6x39,6	186x16	250x93,8	93,8x80	194x24	1,629
MVCB101612/67	100	160	120	49,6x109,6	26x86	90x93,8	93,8x150	34x94	1,17
MVCB161612/67	160	160	120	109,6x109,6	86x86	150x93,8	93,8x150	94x94	1,639
MVCB202012/67	200	200	120	149,6x149,6	126x126	190x93,8	93,8x190	134x134	2,321
MVCB202515/67	200	250	150	149,6x199,6	126x176	190x123,8	123,8x240	134x184	3,053
MVCB252515/67	250	250	150	199,6x199,6	176x176	240x123,8	123,8x240	184x184	3,63
MVCB203015/67	200	300	150	149,6x249,6	162x226	190x123,8	123,8x290	134x234	3,568
MVCB303015/67	300	300	150	249,6x249,6	226x226	290x123,8	123,8x290	234x234	4,911
MVCB304015/67	300	400	150	249,6x349,6	226x326	290x123,8	123,8x390	234x334	6,24
MVCB404015/67	400	400	150	349,6x349,6	326x326	390x123,8	123,8x390	334x334	7,918
Version: Norm UL	Add "UL" to reference. Ex. "MVCB909080/67UL"								

IP68 ELECTRICAL BOXES AND ENCLOSURES

IP68 certified allows this enclosure be inmersion in to 1 meters of water without ingress during 7 days, can be used indoors or outdoor aplications



STAINLESS STEEL ELECTRICAL ENCLOSURE
LUXOR SERIES AMPHIBOX IP68



Example

We Offer a Perfect Seal to Protect your Electrical and Electronics Appliances

New range IP68 heavy duty wall electrical enclosure made of stainless steel AISI 304L or AISI 316L, combine a number of features ideal for electrical and electronic applications where security and perfect sealing against dust and inmersion water are essential. Luxor Amphibox© Series IP68 of enclosures are widely used for housing vital electronic control and test equipment.
The protection of IP68 allows this equipment to be inmersion in to 1 meters of water without ingress during 7 days. The most popular characteristic is the ease of dismantling by screws, with a revolving left door which allows the performance inside the frame without removal or loss of the door.

FOR MORE INFORMATION CLICK HERE



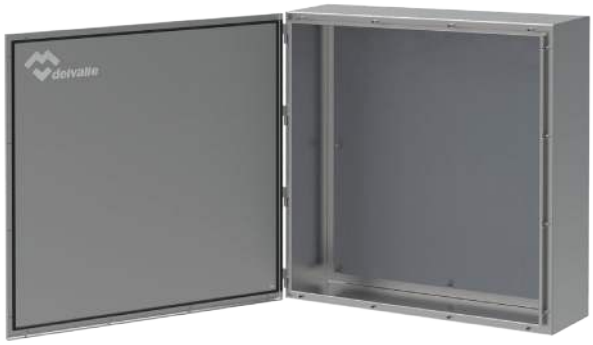
STAINLESS STEEL ELECTRICAL ENCLOSURE **LUXOR SERIES AMPHIBOX** IP68

APPLICATIONS

This combination of strength and sealing characteristics make it ideal for electronic and electrical inner housing equipment in adverse environments outdoors.

5 YEARS
MECHANICAL PARTS **GUARANTEE**

10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**



ADVANTAGES

- Sealing allows total protection against dust and water in 1 meter during 7 days.
- This type of boxes combine corrosion resistance and the highest market impact IK10.
- The manufacture of the stainless steel monobloc allows sealing and the maximum resistance.
- With flashing channel that avoids contact with the liquid polyurethane gasket.
- Supplied with protective film prevents scratches and abrasions during handling.
- Total protection against dust and water.
- The most robust solution.
- Inox AISI 304L or AISI 316L.
- IP68 Approval.
- Maximum voltage 1000 V
- Temperature resistant: -40°C +100°C (short time +160°C).

OPTIONS

- Order by measure based on your needs.
- We recommended using our stainless steel IP68 cable gland for cable entry.
- Manufactured in stainless steel AISI 316L EN 14404.
- Finished in textured paint other RAL colours on request.
- Mounting plate insulator (bakelite) or stainless steel.

NORMS

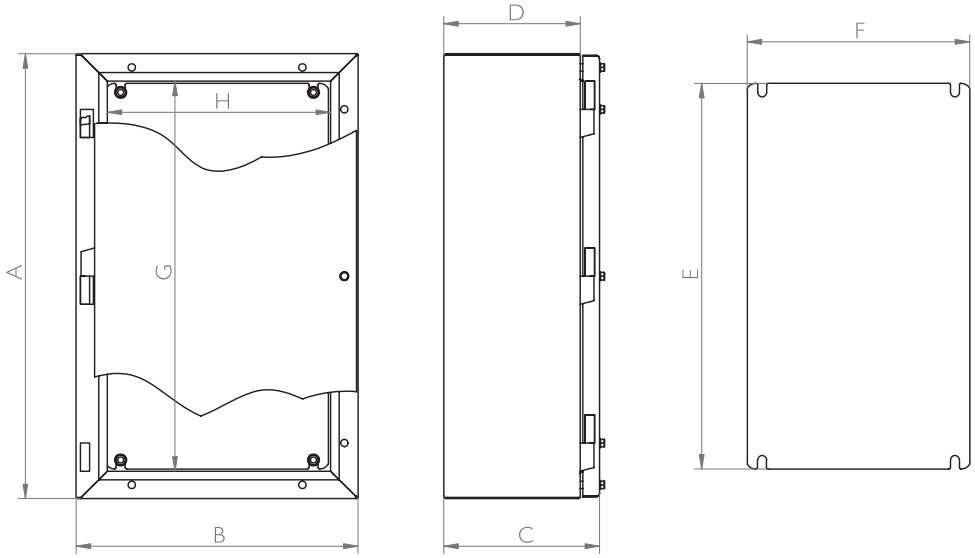
- IP68 Norm IEC EN 62208 and EN 60529. Submersible 1 meter during 7 days.
- Maximum IK10 resistance Norm IEC 62208 and EN 50102.
- CE standards Low Voltage Directive 2014/35/UE.
- RoHs compliant.

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STAINLESS STEEL ELECTRICAL ENCLOSURE **LUXOR SERIES AMPHIBOX** IP68

PLAN

CLICK AQUÍ PARA DESCARGAR
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10 YEARS STAINLESS ANTICORROSIVE **GUARANTEE**

5 YEARS MECHANICAL PARTS **GUARANTEE**

REFERENCES

REFERENCES	DIMENSIONS (mm)										
BLIND DOOR	HEIGHT -A-	WIDTH -B-	DEPTH -C-	ACCESS -GxH-	DEPTH USEFUL -D-	MACHINABLE AREA			PLATE MEASUREMENT -ExF-	WEIGHT (Kg)	VOLUME (m^3)
						DOOR	SIDE	DOWN			
MVAB302015/68	300	200	155	226x121	129	215,5x110,5	270x99	99x170	220x120	4,602	0,01
MVAB383015/68	380	300	155	306x221	129	295,5x210,5	350x99	99x270	300x220	7,624	0,02
MVAB383021/68	380	300	210	306x221	184	295,5x210,5	350x154	154x270	300x220	8,517	0,03
MVAB404021/68	400	400	210	326x321	184	315,5x310,5	370x154	154x370	320x320	11,148	0,04
MVAB504021/68	500	400	210	426x321	184	415,5x310,5	470x154	154x370	420x320	13,49	0,05
MVAB505021/68	500	500	210	426x421	184	415,5x410,5	470x154	154x470	420x420	16,201	0,06
MVAB705021/68	700	500	210	626x421	184	615,5x410,5	670x154	154x470	620x420	21,504	0,08
MVAB603815/68	600	380	155	526x301	129	515,5x290,5	570x99	99x350	520x300	13,792	0,06
MVAB603821/68	600	380	210	526x301	184	515,5x290,5	570x154	154x350	520x300	15,082	0,06
MVAB605021/68	600	500	210	526x421	184	515,5x410,5	570x154	154x470	520x420	18,853	0,07
MVAB606021/68	600	600	210	526x521	184	515,5x510,5	570x154	154x570	520x520	21,962	0,08
MVAB806030/68	800	600	300	726x521	274	715,5x510,5	770x244	244x570	720x520	31,342	0,16
MVAB808030/68	800	800	300	726x721	274	620x620	770x244	244x770	720x720	39,78	0,21
MVAB108030/68	1000	800	300	960x721	274	820x620	970x244	244x720	920x720	50,418	0,26
MVAB128030/68	1200	800	300	1126x721	274	1020x620	1170x244	244x770	1120x720	59,247	0,31
MVAB101030/68	1000	1000	300	926x921	274	820x820	970x244	244x970	920x920	60,85	0,32
MVAC121230/68	1200	1200	300	1126x1121	274	1020x1020	1170x244	244x1170	1120x1120	83,58	0,39
Version: Norm UL	Add "UL" to reference. Ex. "MVAC121230/68UL"										

Separation depth plate 20 mm

ELECTRICAL ENCLOSURE & TERMINAL BOX
GEO AMPHIBOX SERIES IP68



Example

IP68 Geo Amphibox© Series Offer a Perfect Seal to Protect your Electrical and Electronics Appliances

Heavy duty IP68 electrical enclosures; junction and terminal boxes made of stainless steel AISI 304L and AISI 316L, combine a number of features ideal for electrical and electronic applications where security and perfect sealing against dust and water are essential. Geo Amphibox© Series IP68 of enclosures are widely used for housing vital electronic control and test equipment. For an enclosure which will withstand harsh environmental conditions this hardwearing, IP68 enclosure range, may be highly suitable. Therefore they are ideal for water applications within the oil and gas industries, offshore/marine environments,... Hardwearing enclosures designed for tougher environments and sealed to IP68.

FOR MORE INFORMATION CLICK HERE



ELECTRICAL ENCLOSURE & TERMINAL BOX GEO AMPHIBOX SERIES IP68

APPLICATIONS

This combination of features make it ideal for inner housing of electronic and electrical in harsh environments weathering, marine, oil & gas, water where the level of protection should be provided by high sensitive components in applications such as food preparation, washing areas, both inside and out.

10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**

5 YEARS
MECHANICAL PARTS **GUARANTEE**

NORMATIVE

- IP68 rated Norm IEC EN 62208 and EN 60529. Submersible 1 meter during 2 hours.
- Maximum IK10 resistance Norm IEC 62208 and EN 50102.
- CE standards Low Voltage Directive 2014/35/UE.
- Corrosion resistance C5M, according to ISO 12944 (AISI 316).
- IP68 (w) Corrosion areas.
- Compliant RoHS Directive 2011/65/UE.
- Maximum voltage 1000 V.
- Temperature resistant: -40°C +100°C (short time +160°C).
- Option silicone gasket: from -60°C to +180°C (short time up to +350°C).

OPTIONS

- Order by measure based on your needs.
- Customisation options available, see our custom design service.
- We can add Connexion Terminals and din .
- Door hinges.
- We recommended using our stainless steel IP68 cable gland for cable entry.
- Manufactured in stainless steel AISI 316L. EN 14404.
- Finished in textured paint RAL on request.
- Mounting plate insulator (bakelite) or stainless steel.

ADVANTAGES

- Sealing allows total protection against dust and waterproof in 1 meter during 2 hours.
- This type of boxes combine corrosion resistance and the highest market impact IK10.
- The manufacture of the stainless steel monobloc allows sealing and the maximum resistance.
- Safe and resistant in hard and aggresive environments.
- Supplied with protective film prevents scratches and abrasions during handling.
- Monobloc shape giving perfect sealing and impact resistance
- Strength, durability and long life.
- Spacious interior that simplifies the connection operations
- Inox AISI 304L or AISI 316L.
- Unlosable screws.
- Ideal enclosure for outdoor and adverse conditions.

ELECTRICAL ENCLOSURE & TERMINAL BOX **GEO AMPHIBOX SERIES** IP68

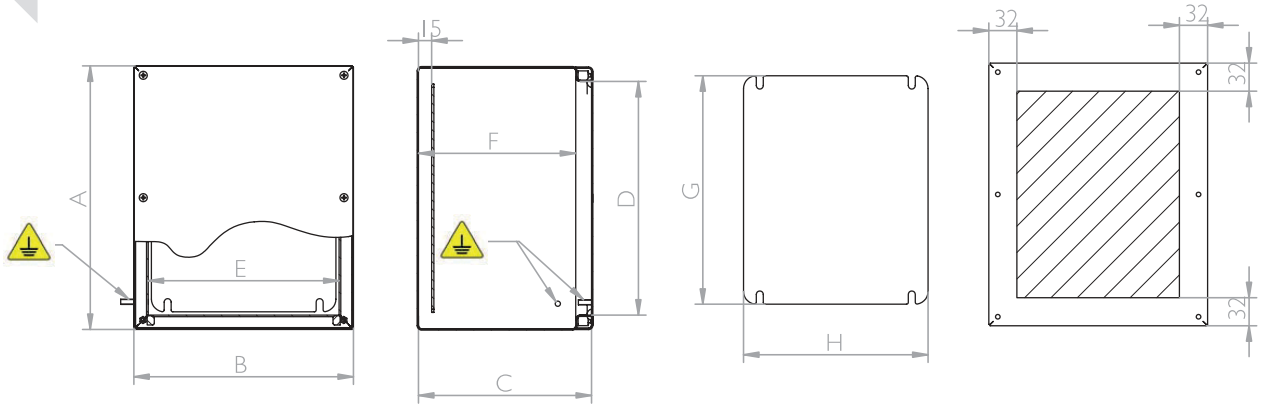


5 YEARS
MECHANICAL PARTS **GUARANTEE**

10 YEARS
STAINLESS ANTICORROSIVE **GUARANTEE**



PLAN



REFERENCES

REFERENCES	DIMENSIONS (mm)								
GEO IP68	HEIGHT -A-	WIDTH -B-	DEPTH -C-	INSIDE HEIGHT -D-	INSIDE WIDTH -E-	INSIDE DEPTH -F-	MACHINABLE AREA		PLATE MEASUREMENT -GxH-
							DOOR	SIDE	
MVCB909080/68	90	90	80	39,6	39,6	61,4	25x25	60x28,8	24x24
MVCB209080/68	200			149,6	39,6	61,4	135x25	170x28,8	134x24
MVCB101615/68	100	160	150	49,6	109,6	131,4	35x95	70x98,8	34x94
MVCB202015/68	200	200		149,6	149,6	131,4	135x135	170x98,8	134x134
MVCB202520/68	200	250	200	149,6	199,6	181,4	135x185	170x148,8	134x184
MVCB303020/68	300	300		249,6	249,6	181,4	235x235	270x148,8	234x234
MVCB304030/68	300	400	300	249,6	349,6	281,4	235x335	270x248,8	234x334
MVCB404030/68	400			349,6	349,6	281,4	335x335	370x248,8	334x334
MVCB606040/68	600	600	400	549,6	549,6	381,4	535x535	570x348,8	534x534
MVCB808040/68	800	800		749,6	749,6		735x735	770x348,8	734x734
MVCB101050/68	1000	1000		949,6	949,6		935x935	970x348,8	934x934

CLIMATE CONTROL COOLING

Delvalle thermal management, provide effective and energy efficient cooling and heating to meet the unique needs of your application



STAINLESS STEEL THERMOELECTRIC COOLER IP67









Examples



Example con carcasa

Easy Installation with Screws

The DelValle stainless steel thermoelectric cooler can be supplied in various types, from 30W to 300W, with a protection up to IP67 between the inside and outside of the panel once inserted. Also, depending on the model chosen, ranging from 2.3 A up to 15A.
By design the thermoelectric cooling is free of any liquid, so there is no risk of leakage.
And thanks to the "Peltier" latest technology developed over the Peltier effect, allows the installation and operation of the device at any position.
Another key feature is the no air exchange between the inside and outside so the dirt doesn't accumulate on the inside.

FOR MORE INFORMATION CLICK HERE

APPLICATIONS

Specially designed for industrial enclosures placed in areas where the components are very sensitive to temperature changes and it's necessary an uniform temperature on the inside, as PLC'S, PC´s, robots, electronic devices, video surveillance,...

SURFACE MOUNT HOUSING

The thermoelectric cooler has an extra structure that can be used if there is no depth inside the enclosure. This option is insteresting for later installations at existing systems.

COOLING AND HEATING

Cooling and heating functions with one device is possible. Just need to add "H" to the reference of exact model.

STAINLESS STEEL THERMOELECTRIC COOLER IP67

FEATURES

- Designed for Indoor - Outdoor.
- Catalogue range that covers all needs.
- Design for water repelling.
- Installation and handling in any position, horizontal, vertical, lying.
- The dirt doesn't accumulate on the inside so the maintenance is near 0.
- Ecofriendly.
- Easy installation with screws.
- Stainless steel envelope.
- Accurate and precise for complex ambience.
- Low power consumption, quick amortization.
- Very reliable operation in any position and resistant to sudden temperature changes

NORMATIVE

- IP67 Norm IEC 60529.
- Approval UL.
- Life time +60.000 hours.
- Comply 2014/35/UE(low voltage directive).
- Comply EN 300386 and EN 55022 (electromagnetic compatibility normative).
- Comply EN 60950 (electrical security normative).

CONDENSATE TROUGH

- Suitable for the types MVTEC 50-150 (MVVE200) and MVTEC 75-300 (MVVE300).
- Collecting of condensate.
- Material: Stainless steel, thickness 1 mm.
- With hose connection, ID = 8 mm.
- Hose with length 2 mtr. is included.

IN CERTAIN SECTORS SUCH AS THE FOOD SECTOR, IT IS REQUIRED A HIGH LEVEL OF HYGIENE TO AVOID INFECTIONS; AND IN SECTORS AS THE MICROBIOLOGICAL, CHEMICAL OR PETROCHEMICAL SECTOR IS VITAL THE RESISTANCE TO THE CHEMICALS AND ENVIRONMENTAL EXTREMES AGENTS. I. IN DELVALLE, WE ARE SPECIALIST ON THIS ISSUE AND WE RECOMMEND THE USE OF OUR ENCLOSURES ANG AIR CONDITIONING AND VENTILATION SYSTEMS IN STAINLESS STEEL

REFERENCES

REFERENCES	MVTEC030E	MVTEC050D	MVTEC50E	MVTEC75E	MVTEC100D	MVTEC100E	MVTEC150E	MVTEC300E
Cooling capacity (W)	30w	50w		75w	100w		150w	300w
Cooling capacity (BTU/H)	102 BTU/h	170 BTU/h		256 BTU/h	341 BTU/h		512 BTU/h	1024 BTU/h
Operating Voltage	24 V DC	12 V DC	24 V DC	24 V DC	12 V DC	24 V DC	24 V DC	24 V DC
Amperage	2,3 A	5,0 A	2,5 A	3,6 A	10,4 A	5,2 A	7,2 A	15 A
Operating temperature	-10... +60° C							
Norms	UL, CE							CE
Function	Cooling							cooling+heating
Degree of Protection Out.	IP65	IP43	IP67	IP67	IP67	IP67	IP67	IP65
Weight	1,7 Kg	3,9 Kg		5,5 Kg	7,2 Kg		7,3 Kg	18,5 Kg

Version cooling + heating	Add "H" to the reference. Ex: MVTEC030EH

CABLE GLANDS

Delvalle cable glands are used in industrial and commercial applications throughout the world, engineering safety and productivity in the most severe environmental conditions.



STAINLESS STEEL CABLE GLANDS

Stainless steel cable glands are placed over other materials. They are corrosion resistant, more robust and durable than any other materials used in the construction field.

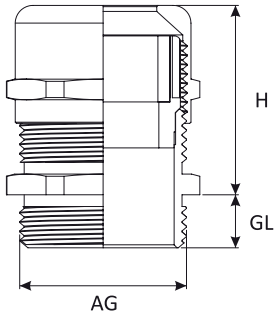
They help you to save money thanks to their low maintenance and their long life (over 20-30 years). The aesthetic aspect is also remarkable, as they have great quality and presence.

METRIC STAINLESS STEEL AISI 304 AND 316 CABLE GLANDS IP68





- Material:
  - Stainless steel AISI 304
  - Stainless steel AISI 316
- Thread: Metric
- Sealing ring: NBR
- Stainless steel lock nut included
- Protection: IP68
- Temperature resistance:
  - -40°C to +100°C
  - -40°C to +120°C short time
- Supports: Water, dust, salt, acids, alcohol and oils



REFERENCES METRIC STAINLESS STEEL AISI 304 CABLE GLANDS								
METRIC STAINLESS STEEL AISI 304 CABLE GLANDS IP68	SIZE	CABLE RANGE		THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	LENGTH OF THE ASSEMBLY GL + H (mm)	(mm)	MINIMUM
		≥	≤					
DVCG.M12.S4	M12x1,5	3	6,5	12	7	19	14	10
DVCG.M16.S4	M16x1,5	4	8	16	8	20	18	
DVCG.M20.S4	M20x1,5	8	12	20	8	22	22	
DVCG.M25.S4	M25x1,5	12	16	25	9	27	27	
DVCG.M32.S4	M32x1,5	15	22	32	10	29	35	5
DVCG.M40.S4	M40x1,5	18	25	40	11	31	40/45	
DVCG.M48.S4	M48x1,5	25	32	50	11	37	50/52	2
DVCG.M50.S4	M50x1,5	32	38	50	12	37	50/55	
DVCG.M63.S4	M63x1,5	37	44	63	13	38	64/68	1
DVCG.M75.S4	M75x2	42	52	75	15	42	78	
DVCG.M80.S4	M80x2	50	62	80	15	45	86/88	
DVCG.M88.S4	M88x2	60	70	88	15	45	98	
DVCG.M100.S4	M100x2	70	80	100	15	45	110	

REFERENCES METRIC STAINLESS STEEL AISI 316 CABLE GLANDS								
METRIC STAINLESS STEEL AISI 316 CABLE GLANDS IP68	SIZE	CABLE RANGE		THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	LENGTH OF THE ASSEMBLY GL + H (mm)	(mm)	MINIMUM
		≥	≤					
DVCG.M12.S6	M12x1,5	3	6,5	12	7	19	14	10
DVCG.M16.S6	M16x1,5	4	8	16	8	20	18	
DVCG.M20.S6	M20x1,5	8	12	20	8	22	22	
DVCG.M25.S6	M25x1,5	12	16	25	9	27	27	
DVCG.M32.S6	M32x1,5	15	22	32	10	29	35	5
DVCG.M40.S6	M40x1,5	18	25	40	11	31	40/45	
DVCG.M48.S6	M48x1,5	25	32	50	11	37	50/52	2
DVCG.M50.S6	M50x1,5	32	38	50	12	37	50/55	
DVCG.M63.S6	M63x1,5	37	44	63	13	38	64/68	1
DVCG.M75.S6	M75x2	42	52	75	15	42	78	
DVCG.M80.S6	M80x2	50	62	80	15	45	86/88	
DVCG.M88.S6	M88x2	60	70	88	15	45	98	
DVCG.M100.S6	M100x2	70	80	100	15	45	110	

NICKEL PLATED CABLE GLANDS

Nickel-plated cable glands are made of electrically conductive metal.

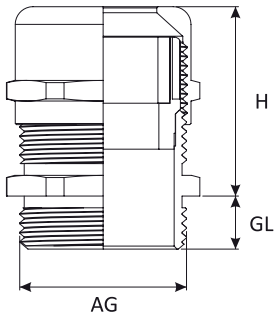
They are resistant to corrosion and react in aggressive media.

METRIC NICKEL-PLATED BRASS CABLE GLANDS IP68





- Material: Nickel-plated brass
- Thread: Metric
- Sealing ring: NBR
- Nickel-plated brass lock nut included
- Protection: IP68
- Temperature resistance:
  - -40°C to +100°C
  - -40°C to +120°C short time
- Supports: Water, dust, salt, acids, alcohol and oils



REFERENCES METRIC NICKEL-PLATED BRASS CABLE GLANDS								
METRIC NICKEL-PLATED BRASS CABLE GLANDS	SIZE	CABLE RANGE		THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	LENGTH OF THE ASSEMBLY GL + H (mm)	(mm)	MINIMUM
		≥	≤					
DVCG.M12.ON	M12x1,5	3	6,5	12	7	19	14	50
DVCG.M16.ON	M16x1,5	4	8	16	8	20	18	
DVCG.M20.ON	M20x1,5	6	12	20	8	22	22	
DVCG.M25.ON	M25x1,5	12	16	25	9	27	27	
DVCG.M32.ON	M32x1,5	15	22	32	10	29	35	25
DVCG.M40.ON	M40x1,5	18	25	40	11	31	40/45	10
DVCG.M48.ON	M48x1,5	25	32	50	11	37	50/52	
DVCG.M50.ON	M50x1,5	32	38	50	12	37	50/55	
DVCG.M63.ON	M63x1,5	37	44	63	13	38	64/68	
DVCG.M75.ON	M75x2	42	52	75	15	42	78	5
DVCG.M80.ON	M80x2	50	62	80	15	45	86/88	
DVCG.M88.ON	M88x2	60	70	88	15	45	98	
DVCG.M100.ON	M100x2	70	80	100	15	45	110	



POLYAMIDE CABLE GLANDS

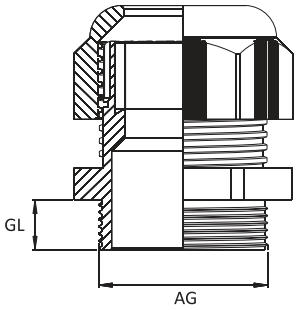
Polyamide cable glands are manufactured with a semi-crystalline thermoplastic that has good mechanical strength and high impact strength. These cable glands have good sliding behavior and good wear resistance; they are resistant to aging under high temperatures and for extended periods of time. They also offer high strength and rigidity, even at low temperatures. They resist intrinsic ignition and have excellent dielectric properties and chemical resistance. High resistance to chemical materials like gasoline and fat at the best price.

METRIC AND PG POLYAMIDE CABLE GLANDS IP68





- Material: Polyamide PA66
- Thread:
  - Metric
  - PG
- Sealing ring: NBR
- Polyamide lock nut included
- Protection: IP68
- Temperature resistance:
  - -40°C to +100°C
  - -40°C to +120°C short time
- Color: Black RAL 9005



REFERENCES METRIC POLYAMIDE CABLE GLANDS							
METRIC POLYAMIDE CABLE GLANDS	SIZE	CABLE RANGE		THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	(mm)	MINIMUM
		≥	≤				
DVCG.M12.NY	M12x1,5	3	6,5	12	8	16	50
DVCG.M16.NY	M16x1,5	4	8	16	8	19	
DVCG.M20.NY	M20x1,5	6	12	20	10	24	
DVCG.M25.NY	M25x1,5	12	16	25	10	33	
DVCG.M32.NY	M32x1,5	16	21	32	11	35	25
DVCG.M40.NY	M40x1,5	22	32	40	14	52	10
DVCG.M50.NY	M50x1,5	32	38	50	14	60	5
DVCG.M63.NY	M63x1,5	37	44	63	15	64	

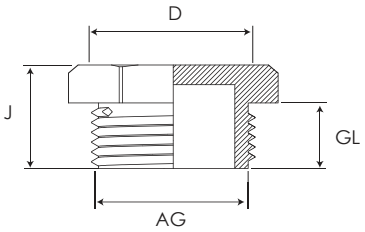
REFERENCES PG POLYAMIDE CABLE GLANDS *							
PG POLYAMIDE CABLE GLANDS *	SIZE	CABLE RANGE		THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	(mm)	MINIMUM
		≥	≤				
DVCG.PG7.NY*	PG7	3	6,5	12,5	8	16	50
DVCG.PG9.NY*	PG9	4	8	15,2	8	19	
DVCG.PG11.NY*	PG11	5	10	18,6	8	22	
DVCG.PG13.5.NY*	PG13,5	6	12	20,4	10	24	
DVCG.PG16.NY*	PG16	10	14	22,5	10	27	
DVCG.PG21.NY*	PG21	13	18	28,3	10	33	25
DVCG.PG29.NY*	PG29	18	25	37	12	42	
DVCG.PG36.NY*	PG36	22	32	47	14	52	5
DVT.PG42.NY*	PG42	32	38	54	14	60	
DVT.PG48.NY*	PG48	37	44	59,3	15	64	
DVT.PG63.NY*	PG63	42	50	71	28	77	

* PG cable glands available upon request

METRIC AND PG STAINLESS STEEL AISI 304 HEXAGON PLUG IP68



- Material: Stainless steel AISI 304
- Thread:
  - Metric
  - PG
- Sealing ring: NBR
- Stainless steel lock nut included
- Protection: IP68
- Temperature resistance: -40°C +105°C
- Supports:
  - Water
  - Dust
  - Salt
  - Acids
  - Alcohol
  - Oils



REFERENCES METRIC STAINLESS STEEL AISI 304 HEXAGON PLUG						
METRIC STAINLESS STEEL AISI 304 HEXAGON PLUG	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	J (mm)	D (mm)	MINIMUM
DVT.M12.S4	M12	12	5	8	14	10
DVT.M16.S4	M16	16	6	9	17	
DVT.M20.S4	M20	20	6,5	9,5	22	
DVT.M25.S4	M25	25	6,5	10	27	
DVT.M32.S4	M32	32	7	11	35	5
DVT.M40.S4	M40	40	8	13	43	
DVT.M50.S4	M50	50	9	15	55	2
DVT.M63.S4	M63	63	10	16	66	

REFERENCES PG STAINLESS STEEL AISI 304 HEXAGON PLUG *						
PG STAINLESS STEEL AISI 304 HEXAGON PLUG *	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	J (mm)	D (mm)	MINIMUM
DVT.PG7.S4*	PG7	7	5	8	14	10
DVT.PG9.S4*	PG9	9	6	9	17	
DVT.PG11.S4*	PG11	11	6	9	20	
DVT.PG13.5.S4*	PG13,5	13,5	6,5	9,5	22	
DVT.PG16.S4*	PG16	16	6,5	9,5	24	
DVT.PG21.S4*	PG21	21	7	11	30	
DVT.PG29.S4*	PG29	29	8	12	39	5
DVT.PG36.S4*	PG36	36	9	15	50	
DVT.PG42.S4*	PG42	42	10	16	57	2
DVT.PG48.S4*	PG48	48	10	16	64	

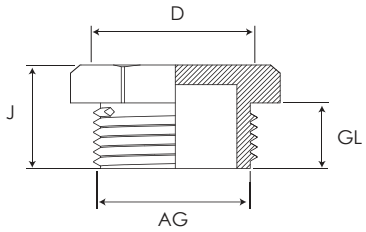
* PG plugs available upon request

METRIC AND PG NICKEL PLATED HEXAGON PLUG IP68





- Material: Nickel plated
- Thread:
  - Metric
  - PG
- Sealing ring: NBR
- Nickel plated lock nut included
- Protection: IP68
- Temperature resistance: -40°C +105°C
- Supports:
  - Water
  - Dust
  - Salt
  - Acids
  - Alcohol
  - Oils



REFERENCES METRIC NICKEL PLATED HEXAGON PLUG						
METRIC NICKEL PLATED HEXAGON PLUG	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	J (mm)	D (mm)	MINIMUM
DVT.M12.ON	M12	12	5	8	14	50
DVT.M16.ON	M16	16	6	9	17	
DVT.M20.ON	M20	20	6,5	9,5	22	
DVT.M25.ON	M25	25	6,5	10	27	
DVT.M32.ON	M32	32	7	11	35	25
DVT.M40.ON	M40	40	8	13	43	
DVT.M50.ON	M50	50	9	15	55	10
DVT.M63.ON	M63	63	10	16	66	5

REFERENCES PG NICKEL PLATED HEXAGON PLUG *						
PG NICKEL PLATED HEXAGON PLUG *	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	J (mm)	D (mm)	MINIMUM
DVT.PG7.ON*	PG7	7	5	8	14	50
DVT.PG9.ON*	PG9	9	6	9	17	
DVT.PG11.ON*	PG11	11	6	9	20	
DVT.PG13.5.ON*	PG13,5	13,5	6,5	9,5	22	
DVT.PG16.ON*	PG16	16	6,5	9,5	24	
DVT.PG21.ON*	PG21	21	7	11	30	
DVT.PG29.ON*	PG29	29	8	12	39	25
DVT.PG36.ON*	PG36	36	9	15	50	
DVT.PG42.ON*	PG42	42	10	16	57	10
DVT.PG48.ON*	PG48	48	10	16	64	

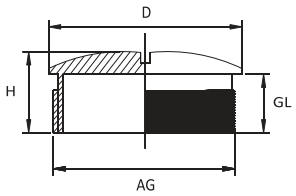
* PG plugs available upon request

METRIC AND PG POLYAMIDE PLUG IP68





- Material: Polyamide PA66
- Thread:
  - Metric
  - PG
- Sealing ring: NBR
- Polyamide lock nut included
- Protection: IP68
- Temperature resistance:
  - -40°C to +100°C
  - -40°C to +120°C short time
- Color: Black RAL 9005



REFERENCES METRIC POLYAMIDE PLUG						
METRIC POLYAMIDE PLUG	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	H (mm)	D (mm)	MINIMUM
DVT.M12.NY	M12	12	8,5	12,5	15	100
DVT.M16.NY	M16	16	8,5	13	19	
DVT.M20.NY	M20	20	9	13	25	
DVT.M25.NY	M25	25	10,5	15,5	30	
DVT.M32.NY	M32	32	10,5	16	38	
DVT.M40.NY	M40	40	11,5	16	46	50
DVT.M50.NY	M50	50	13,5	18	56	
DVT.M63.NY	M63	63	14	19	68	25

REFERENCES PG POLYAMIDE PLUG *						
PG POLYAMIDE PLUG *	SIZE	THREAD DIAMETER AG (mm)	LENGTH OF THE THREAD GL (mm)	H (mm)	D (mm)	MINIMUM
DVT.PG7.NY*	PG7	12,5	8,5	12,5	15	100
DVT.PG9.NY*	PG9	15,2	8,5	13	19	
DVT.PG11.NY*	PG11	18,6	9,	13	22	
DVT.PG13.5.NY*	PG13,5	20,4	9,	13	25	
DVT.PG16.NY*	PG16	22,5	10,5	15	27	
DVT.PG21.NY*	PG21	28,3	10,5	15,	33	
DVT.PG29.NY*	PG29	37	11,5	16	44	50
DVT.PG36.NY*	PG36	47	13,5	18	55	
DVT.PG42.NY*	PG42	54	13,5	18,5	62	25
DVT.PG48.NY*	PG48	59,3	14,5	19,5	68	

* PG plugs available upon request

delvalle®

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Confidentiality, reliability & quality

DELVALLE OFFERS
OTHER SOLUTIONS

FOR MORE INFORMATION CLICK HERE

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WATERPROOF SHEET STEEL ELECTRICAL ENCLOSURES



CLIMATE CONTROL COOLING FOR ELECTRICAL ENCLOSURES

NEMA ELECTRICAL ENCLOSURES TYPE 1-3R-4X-12



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