



**APL International (Pvt) Ltd**



**Enclosure Systems  
Catalogue**



## **Benefits**

- Excellent record of resistance to corrosion and chemical attack
- High impact resistance
- Rigid construction
- High weather resistance
- Wide operating temperature range
- Fire resistant.
- Good insulating properties
- UV Protection

## **Applications**

- Temporary installations
- Electric panel control housing
- Water pump electric control housing
- Instrument Housing
- Meter box application
- Marine electric control housing
- Renewable energy electric control housing
- Telecommunications electronic control housing

## Enclosure Overview

### GRP Enclosure (with Canopy) - Series G1G

These enclosures are designed for electrical, electronics and instrumentation control systems and provided with inbuilt canopy on all three sides.  
169 X 122 X 71 – 350 X 250 X 125 mm



4

### GRP Enclosure - Series G2G

These enclosures are designed for industrial, electrical, electronics, instrumentation, pneumatic, hydraulic and solar control systems.  
116 X 116 X 65 – 600 X 420 X 215 mm



5

### GRP Cabinet Enclosure - Series G3G

These enclosures are designed for electrical, electronics, instrumentation and solar control system. The cover is a hinged door and single point lock.  
300 X 250 X 140 – 800 X 600 X 300 mm



6

### Stainless Steel Enclosure - Series G2S

These enclosures are manufactured in stainless steel and designed for industrial, food and marine application.  
150 X 150 X 80/120 – 800 X 500 X 80/120 mm



7

### Stainless Steel Enclosure - Series G3S

These enclosures are manufactured in stainless steel and designed for industrial, food and marine application.  
300 X 250 X 140 – 1200 X 800 X 300 mm



8

### GRP Enclosure - Series G4G

These enclosures are designed for electrical and communication control systems.  
1000 X 500 X 315 – 1250 X 1136 X 470 mm



9

## General Specification

### For GRP Enclosure

Colour	: Standard colour RAL 7035, other colours available on request.
Flame Retardant	: Low Flammability (UL-94)
Glow Wire Test °C	: 960°C
Toxicity	: Halogen - Free
Protection Classification	: Up to IP65
Impact Resistance	: IK08
Seal	: Neoprene/ Polyurethane
Water Absorption	: Max. 0.7%

### For Stainless Steel Enclosure

Ingress Protection	: Up to IP65
Thickness	: 1.6 mm/2 mm Thick
Finishing	: Matt Finish
Seal	: Gasket

(All dimensions are in mm)



## GRP Enclosure (with Canopy)

## Series G1G

These enclosures are manufactured of hot press moulded glassfiber reinforced polyester (GRP). These enclosures are specifically used for electrical, electronics, instrumentation and pneumatic control system is provided with inbuilt canopy on all three sides.



Model No.	Height	Width	Depth	Depth (with Canopy)
G1G 171207	169	122	71	125
G1G 211208	211	121	75	130
G1G 221608	215	164	80	130
G1G 302310	303	225	100	170
G1G 352513	350	250	125	190



## GRP Enclosure

## Series G2G

These enclosures are manufactured of hot press moulded glassfiber reinforced polyester (GRP). These enclosures are specifically used for industrial, electrical, electronics, instrumentation, pneumatic, hydraulic and solar control system. These enclosures are made with the very high quality material for the highest performance of the product.



Model No.	Height	Width	Depth
G2G 121207	116	116	65
G2G 131308	132	132	75
G2G 161609	163	163	90
G2G 212109	213	213	90
G2G 262615	260	260	150
G2G 333313	330	330	125
G2G 333316	330	330	160
G2G 333318	330	330	180
G2G 333322	330	330	215
G2G 444416	443	443	155
G2G 604222	600	420	215



## GRP Cabinet Enclosure

## Series G3G

These enclosures are manufactured of hot press moulded glassfiber reinforced polyester (GRP). These enclosures are specifically used for electrical, electronics, instrumentation and solar control system. The base is made one piece. The cover is a hinged door and single point lock is provided to lock the same.



Model No.	Height	Width	Depth
G3G 302514	300	250	140
G3G 403020	400	300	200
G3G 504023	500	400	230
G3G 605023	600	500	230
G3G 755025	750	500	250
G3G 806030	800	600	300





# Stainless Steel Enclosure

## Series G2S

These enclosures are manufactured in SS304 stainless steel quality material. These enclosures are used for industrial, food and marine application. The enclosure has highest resistance to dust water and impact. These enclosures are available in two depths 80mm and 120mm. Also available in SS316 material.



### 80 Depth

### 120 Depth

Model No.	Height	Width
G2S 151508	150	150
G2S 202008	200	200
G2S 301508	300	150
G2S 302008	300	200
G2S 303008	300	300
G2S 402008	400	200
G2S 403008	400	300
G2S 404008	400	400
G2S 503008	500	300
G2S 603008	600	300
G2S 604008	600	400
G2S 805008	800	500

Model No.	Height	Width
G2S 151512	150	150
G2S 202012	200	200
G2S 301512	300	150
G2S 302012	300	200
G2S 303012	300	300
G2S 402012	400	200
G2S 403012	400	300
G2S 404012	400	400
G2S 503012	500	300
G2S 603012	600	300
G2S 604012	600	400
G2S 805012	800	500

[Add suffix 'A' for SS316 material]



# Stainless Steel Enclosure

## Series G3S

These enclosures are manufactured in SS304 stainless steel quality material. These enclosures are used for industrial, food and marine application. The enclosure has highest resistance to dust water and impact.



Model No.	Height	Width	Depth
G3S 302514	300	250	140
G3S 403020	400	300	200
G3S 404020	400	400	200
G3S 504020	500	400	200
G3S 605025	600	500	250
G3S 755025	750	500	250
G3S 806030	800	600	300
G3S 1008030	1000	800	300
G3S 1208030	1200	800	300

[Add suffix 'A' for SS316 material]





# GRP Enclosure

## Series G4G

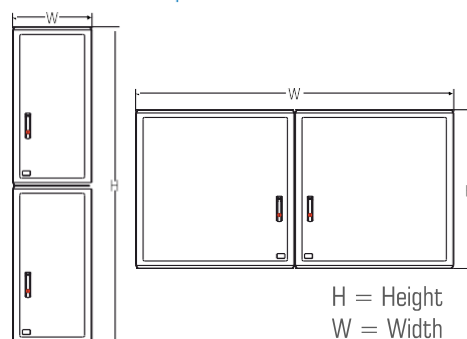
These enclosures are manufactured of hot press moulded glassfiber reinforced polyester (GRP). These enclosures are specifically used for electrical and communication control systems. The enclosure has gasket / Hinged door and 3 point lock system. Door in front and rear also available.



Model No.	Height	Width	Depth	(Door)
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G4G 423A1	1000	500	315	(500x1)
G4G 433A1	1000	750	315	(750x1)
G4G 443A1	1000	1000	315	(1000x1)
G4G 443A2	1000	1000	315	(500+500)
G4G 453A2	1000	1250	315	(500+750)
G4G 544B2**	1250	1136	470	(550+550)

Combination Options



- Back Door - Fixed
  - Openable Backdoor Available on Request
- \*\*Combination not available

- Height multiple of 1000 mm
- Width variable in multiple of 250 mm, minimum 500 mm



## General Accessories



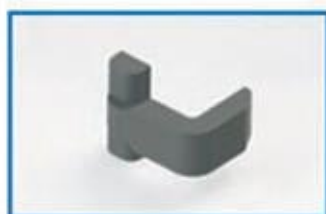
(A) Mounting Plate



(B) Mounting Lugs



(C) SS Mounting Lugs



(D) Thermoplastic Hinge


























(E) Door Lock



(F) Adaptor Plate (For G3G)



# The IP and IK Classifications

FIRST DIGIT Protection against solid objects		SECOND DIGIT Protection against liquids		IK CODE Protection against mechanical impacts	
IP	TEST	IP	TEST	IK	TEST
0	 no protection	0	 no protection	00	 no protection
1	 protected against solid objects up to 50 mm e.g. to 50 mm e.g. hands	1	 protected against vertically falling drops of water	01-05	 impact < 1 joule
2	 protected against solid objects up to 12 mm e.g. fingers	2	 protected against direct sprays of water up to 15° from the vertical	06	 500 gm 20 cm impact 1 joule
3	 protected against solid objects over 2.5 mm (tools + small wires)	3	 protected against water sprayed from all directions - limited ingress permitted	07	 500 gm 40 cm impact 2 joule
4	 protected against solid objects over 1 mm (tools + small wires)	4	 protected against water sprayed from all directions - limited ingress permitted	08	 1.7 kg 29.5 cm impact 5 joule
5	 protected against dust - limited ingress permitted (no harmful deposit)	5	 protected against low pressure jets of water from all directions - limited ingress permitted	09	 5 kg 20 cm impact 10 joule
6	 totally protected against dust	6	 protected against strong jets of water eg for use on ship decks - limited ingress permitted	10	 5 kg 40 cm impact 20 joule
		7	 15 cm protected against the effects of immersion between 15 cm and 1 m		
		8	 protected against long periods of immersion under pressure		

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