

# AGE Series Glass Reinforced Polyester Enclosures

## Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

### Applications

- Terminal junction boxes are used to distribute power to lighting and to other power and control circuits.
- Suitable for use in both intrinsically safe and non-intrinsically safe systems.
- Designed for Zones 1 or 2 areas, where flammable gases or vapors are present either continuously, often or accidentally such as:
  - Petroleum
  - Chemical
  - Refineries
  - Other industrial process facilities
- Ideal for indoor/outdoor use with wet or corrosive atmospheres.
- Designed for use in Zones 21 or 22 areas where flammable dusts (conductive and non conductive) are present either continuously, often or accidentally such as:
  - Food processing
  - Dairy
  - Brewing
  - Other industrial process facilities



### Features

- Static resistant black glass reinforced polyester enclosure.
- High IP66 rating allows the enclosure to be installed in either indoor or outdoor environments where protection against dirt, water and moisture is required
- Designed for application with voltage ratings up to 5,500 Vac and rated current up to 1,500 Amp.
- Multiple enclosure size for different termination applications. Example: 77 mm x 82 mm x 56 mm up to 420 mm x 720 mm x 240 mm (3.03 in x 3.23 in x 2.20 in up to 16.54 in x 28.35 in x 9.45 in).
- Available with multiple terminal block size configurations from 1.5 mm<sup>2</sup> (0.06 in<sup>2</sup>) up to 240 mm<sup>2</sup> (9.45 in<sup>2</sup>).

### Standard Material

- Enclosures: glass reinforced plastic (GRP)
- Cover gasket: silicone
- Mounting plate: zinc plated steel
- Hardware and fasteners: stainless steel.

### Options

- Nameplates
- Mounting plate material: stainless steel, contact your local sales representative
- Consult factory for custom drilling and assembly requirements

### ATEX/IECEx Certifications and Compliances

- Gas, Zones 1 and 2:
  - Conforming to Directive 2014/34/EU: Ⓢ II 2G
  - Type of Protection: Ex eb IIC T5/T6 Gb, Ex ia IIC T5/T6 Gb, Ex eb ia IIC T5/T6 Gb
  - Temperature Class: T6 to T5
- Dust, Zone 21 and Zone 22:
  - Conforming to Directive 2014/34/EU: Ⓢ II 2D
  - Type of Protection: Ex tb IIIC T80°C/T95°C Db
  - Surface Temperature: T80°C to T95°C
- Ambient Temperature:
  - -35 °C up to +40 °C (-31 °F up to +104 °F) (@T6) and -35 °C up to +55 °C (-31 °F up to +131 °F) (@T6)
- ATEX Certificate: **CE** 2460 ExVeritas 18 ATEX 0329X, **CE** 2460 ExVeritas 18 ATEX 0327U, **CE** 2804 ExVeritas 18 ATEX 0329X, **CE** 2804 ExVeritas 18 ATEX 0327U
- IECEx Certificate: IECEx EXV 18.0005X, IECEx EXV 18.0004X
- Index of Protection according EN/IEC 60529: IP66

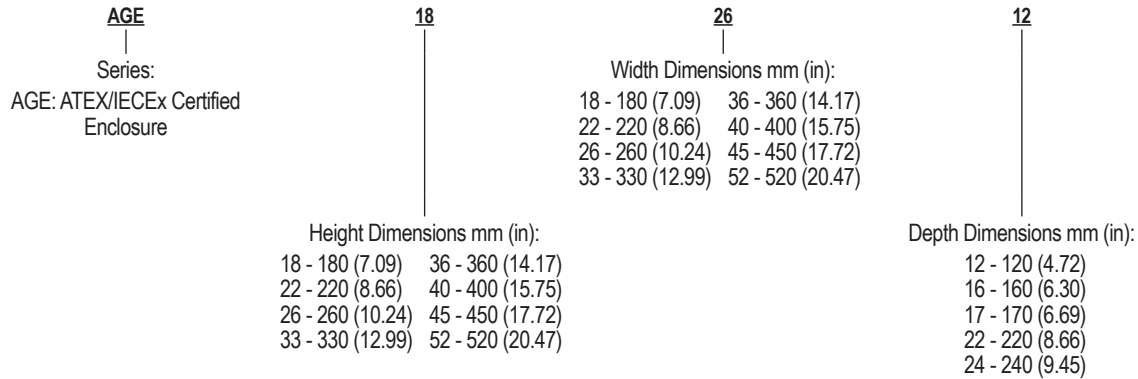
# AGE Series Glass Reinforced Polyester Enclosures

Increased Safety

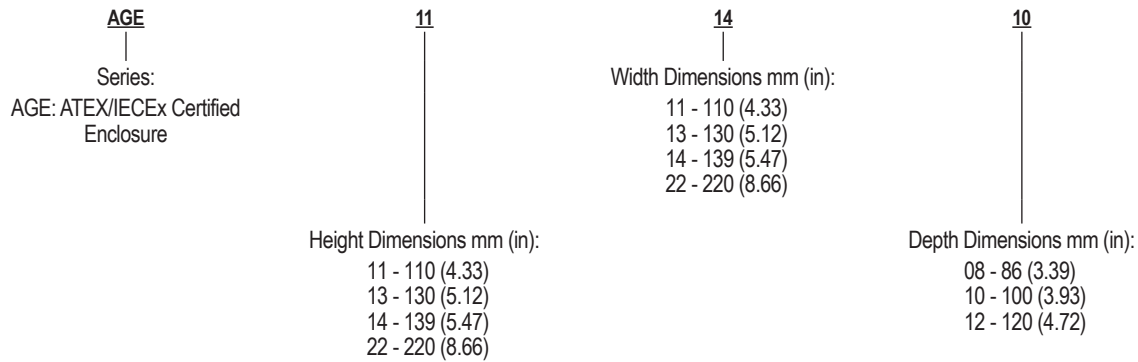
ATEX/IECEX: Zones 1 and 2 – 21 and 22

Enclosures and Junction Boxes

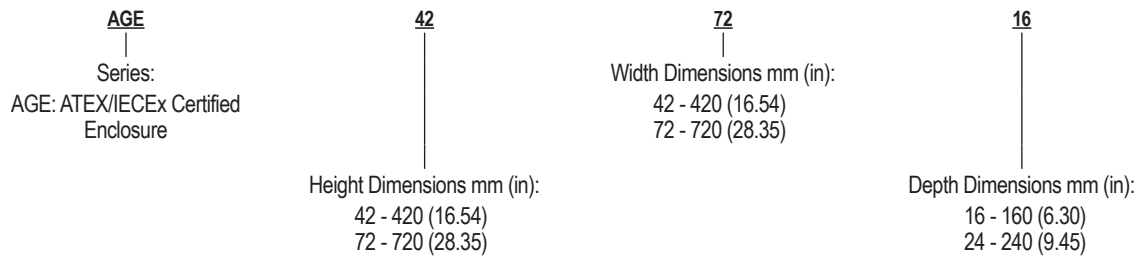
## Catalog Numbering Guide — AGE Series GRP Enclosures Boxes —Type 1



## Catalog Numbering Guide — AGE Series GRP Enclosures Boxes —Type 2



## Catalog Numbering Guide — AGE Series GRP Enclosures Boxes —Type 3

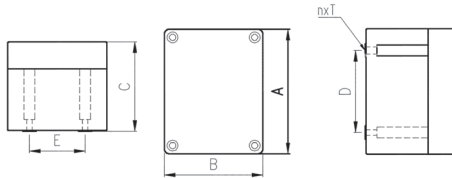


# AGE Series Glass Reinforced Polyester Enclosures

## Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

### Enclosure Information — Type 1 — Dimensions in Millimeters (Inches)



A	B	C	D	E	N	T	Catag Number
180 (7,09)	260 (10,24)	120 (4,72)	163 (6,42)	200 (7,87)	4 (0,16)	Ø 7 (0,28)	AGE182612
220 (8,66)	360 (14,17)	120 (4,72)	200 (7,87)	296 (11,65)	4 (0,16)	Ø 9 (0,35)	AGE223612
220 (8,66)	360 (14,17)	170 (6,69)	200 (7,87)	296 (11,65)	4 (0,16)	Ø 9 (0,35)	AGE223617
260 (10,24)	180 (7,09)	120 (4,72)	200 (7,87)	163 (6,42)	4 (0,16)	Ø 7 (0,28)	AGE261812
330 (12,99)	450 (17,72)	160 (6,30)	304 (11,97)	379 (14,92)	4 (0,16)	Ø 9 (0,35)	AGE334516
330 (12,99)	450 (17,72)	240 (9,45)	304 (11,97)	379 (14,92)	4 (0,16)	Ø 9 (0,35)	AGE334524
360 (14,17)	220 (8,66)	120 (4,72)	296 (11,65)	200 (7,87)	4 (0,16)	Ø 9 (0,35)	AGE362212
360 (14,17)	220 (8,66)	170 (6,69)	296 (11,65)	200 (7,87)	4 (0,16)	Ø 9 (0,35)	AGE362217
360 (14,17)	360 (14,17)	120 (4,72)	297 (11,69)	340 (13,39)	4 (0,16)	Ø 9 (0,35)	AGE363612
360 (14,17)	360 (14,17)	170 (6,69)	297 (11,69)	340 (13,39)	4 (0,16)	Ø 9 (0,35)	AGE363617
400 (15,75)	520 (20,47)	220 (8,66)	383 (15,08)	457 (17,99)	4 (0,16)	Ø 10 (0,39)	AGE405222
450 (17,72)	330 (12,99)	160 (6,30)	379 (14,92)	304 (11,97)	4 (0,16)	Ø 9 (0,35)	AGE453316
450 (17,72)	330 (12,99)	240 (9,45)	379 (14,92)	304 (11,97)	4 (0,16)	Ø 9 (0,35)	AGE453324
520 (20,47)	400 (15,75)	220 (8,66)	457 (1,77)	383 (15,08)	4 (0,16)	Ø 10 (0,39)	AGE524022

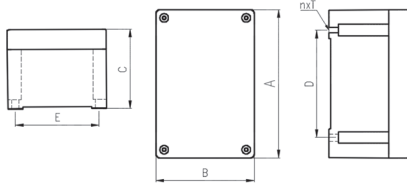
Enclosures and Junction Boxes

# AGE Series Glass Reinforced Polyester Enclosures

## Increased Safety

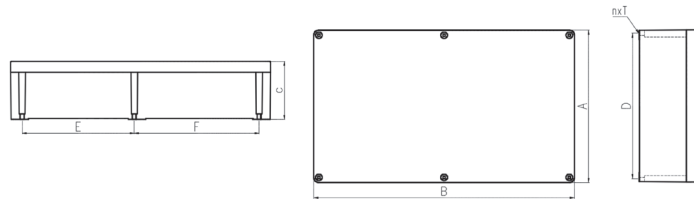
ATEX/IECEx: Zones 1 and 2 – 21 and 22

### Enclosure Information — Type 2 — Dimensions in Millimeters (Inches)



A	B	C	D	E	N	T	Catalog Number
110 (4.33)	139 (5.47)	100 (3.93)	96 (3.78)	91 (3.58)	2 (0.08)	Ø 6 (0.24)	AGE111410
130 (5.12)	130 (5.12)	86 (3.39)	86 (3.39)	116 (4.57)	2 (0.08)	Ø 6 (0.24)	AGE131308
130 (5.12)	220 (8.66)	120 (4.72)	116 (4.57)	172 (6.77)	2 (0.08)	Ø 6 (0.24)	AGE132212
139 (5.47)	110 (4.33)	100 (3.93)	91 (3.58)	96 (3.78)	2 (0.08)	Ø 6 (0.24)	AGE141110
220 (8.66)	130 (5.12)	120 (4.72)	172 (6.77)	116 (4.57)	2 (0.08)	Ø 6 (0.24)	AGE221312

### Enclosure Information — Type 3 — Dimensions in Millimeters (Inches)



A	B	C	D	E	F	N	T	Catalog Number
420 (16.54)	720 (28.35)	160 (6.30)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGE427216
420 (16.54)	720 (28.35)	240 (9.45)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGE427224
720 (28.35)	420 (16.54)	160 (6.30)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGE724216
720 (28.35)	420 (16.54)	240 (9.45)	401 (15.79)	311 (12.24)	346 (13.62)	6 (0.24)	Ø 10 (0.39)	AGE724224

Enclosures and Junction Boxes

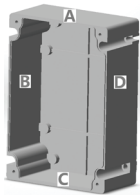
# AGE Series Glass Reinforced Polyester Enclosures

## Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

### Cable Entry Arrangement

Note: The information is only for reference. For Power Junction Box application please contact your local sales representative.



M20		M25		M32		M40		M50		M63		Catalog Number
A/C	B/D	A/C	B/D	A/C	B/D	A/C	B/D	A/C	B/D	A/C	B/D	
2	2	1	1	1	1	1	1	—	—	—	—	AGE111410
2	2	2	1	—	—	—	—	—	—	—	—	AGE131308
8	4	4	2	3	1	2	1	-	-	-	-	AGE132212
2	2	1	1	1	1	1	1	-	-	-	-	AGE141110
8	6	5	3	3	2	2	1	—	—	—	—	AGE182612
4	8	2	4	1	3	1	2	—	—	—	—	AGE221312
12	8	8	4	5	3	3	2	—	—	—	—	AGE223612
20	13	14	9	9	5	6	3	3	2	2	1	AGE223617
6	8	3	5	2	3	1	2	—	—	—	—	AGE261812
24	20	17	12	12	8	7	7	4	3	3	2	AGE334516
24	20	17	12	12	8	7	7	4	3	3	2	AGE334524
8	12	4	8	3	5	2	3	—	—	—	—	AGE362212
13	20	9	14	5	9	3	6	2	3	1	2	AGE362217
14	12	9	7	5	4	4	3	-	-	-	-	AGE363612
25	20	16	14	11	8	8	6	4	3	3	2	AGE363617
51	35	33	25	22	17	15	11	9	7	7	5	AGE405222
44	24	30	16	16	11	11	6	6	4	5	3	AGE427216
44	24	30	16	16	11	11	6	6	4	5	3	AGE427224
20	24	12	17	8	12	7	7	3	4	2	3	AGE453316
20	24	12	17	8	12	7	7	3	4	2	3	AGE453324
35	51	25	33	17	22	11	15	7	9	5	7	AGE524022
24	44	16	30	11	16	6	11	4	6	3	5	AGE724216
24	44	16	30	11	16	6	11	4	6	3	5	AGE724224

Enclosures and Junction Boxes

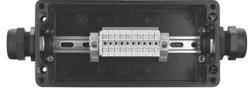
# AGE Series Glass Reinforced Polyester Enclosures

## Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

### Terminal Block Arrangement

Note: The terminal blocks quantity and arrangement information below is for reference only. For customized arrangements, please contact your local sales representative.



Enclosures and Junction Boxes

Enclosure Size Dimensions in Millimeters (Inches)	Max Wattage/Current (T6 at 40 °C)	Capacity of Terminals (mm <sup>2</sup> )								
	Wattage (W)	2.5	4	6	10	16	35	50	70	95
77x82x56 (3.03x3.23x2.20)	3.07	5	4	—	—	—	—	—	—	—
77x112x56 (3.03x4.41x2.20)	3.76	11	9	—	—	—	—	—	—	—
77x162x56 (3.03x6.38x2.20)	4.91	21	18	—	—	—	—	—	—	—
77x232x56 (3.03x9.13x2.20)	6.52	35	29	—	—	—	—	—	—	—
110x139x100 (4.33x 5.47x 3.94)	8.72	13	11	9	7	6	—	—	—	—
122x220x90 (4.80x8.66x3.54)	11.14	33	27	21	16	14	—	—	—	—
130x130x86 (5.12x5.12x 3.39)	7.65	11	10	7	6	5	—	—	—	—
130x220x120 (5.12x8.66x4.72)	15.11	33	27	21	17	14	10	9	—	—
160x260x90 (6.30x10.24x3.54)	13.55	39	32	25	20	16	—	—	—	—
160x360x90 (6.30x14.17x3.54)	17.25	58	49	37	30	24	—	—	—	—
180x260x120 (7.09x10.24x4.72)	18.73	38	32	25	20	17	12	11	—	—
220x360x120 (8.66x14.17x4.72)	24.97	60	50	38	30	25	19	16	—	—
220x360x170 (8.66x14.17x6.69)	35.37	60	50	38	30	25	19	16	15	11
330x450x160 (12.99x17.72x6.30)	44.02	140	116	90	70	60	44	38	34	26
330x450x240 (12.99x17.72x9.45)	66.04	140	116	90	70	60	44	38	34	26
360x360x120 (14.17x14.17x4.72)	29.57	150	120	96	78	63	45	39	24	18
360x360x170 (14.17x14.17x6.69)	41.89	150	120	96	78	63	45	39	24	18
400x520x220 (15.75x9.84x8.66)	71.07	264	222	168	135	114	84	65	44	34
420x720x160 (16.53x 28.35x6.30)	65.71	360	300	228	180	150	111	99	60	44
420x720x240 (16.53x 28.35x9.45)	98.56	360	300	228	180	150	111	99	60	44