

## INCREASED SAFETY

# AQ../AR.. Series - Glassfiber reinforced polyester

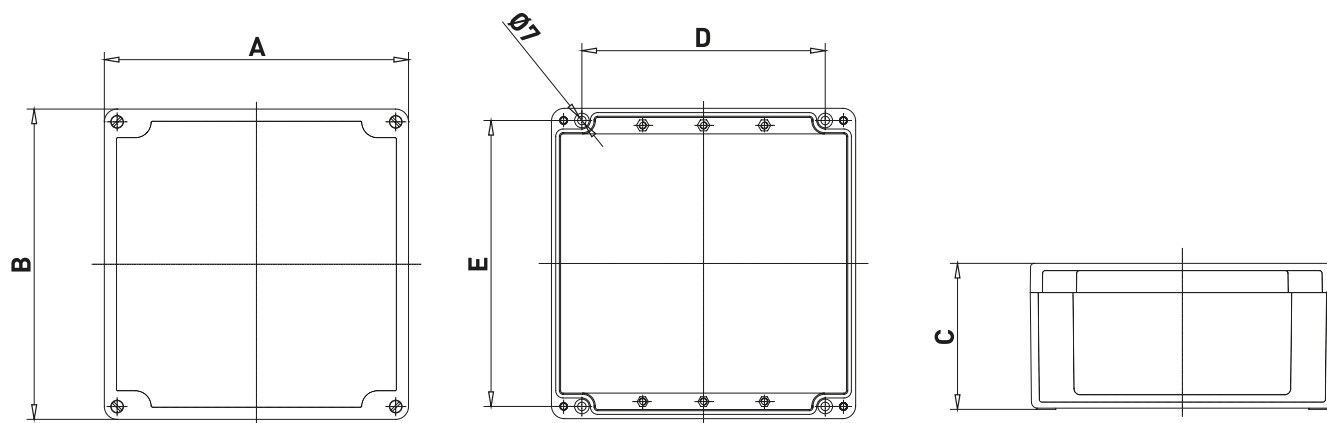


AQ../AR.. Series are used to house Ex e and Ex i terminals. Maximum number of terminals changes on the base of terminals section, enclosure operating temperature and required temperature class. They are ideally suited for chemical agents environments. Sea water corrosion resistance and extremes of low and high temperatures.

## TECHNICAL FEATURES

|                                           |                                                                                                                                                                    |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Material</b>                           | GRP (Glassfiber reinforced polyester)                                                                                                                              |
| <b>IP rating</b>                          | IP66                                                                                                                                                               |
| <b>Ambient temperature range</b>          | -50°C to +60°C (ATEX)<br>-50°C to +60°C (IECEX - up to +95°C for some "special" models)                                                                            |
| <b>Approvals</b>                          | IMQ 08 ATEX 028X      IMQ 16 ATEX 004U<br>IECEX IMQ 15.0002X    IECEX IMQ 15.0010U<br>TR CU                                                                        |
| <b>Marking</b>                            | II 2 GD<br>Ex e IIC Gb / Ex ia Ga IIC T(**)<br>Ex tb IIIC T(**) Db IP66<br>** T6/T85°C, T5/T100°C, T4/T135°C                                                       |
| <b>Standard certificate label</b>         | Made by self adhesive UV and corrosion resistant polyester, approved by certified Laboratory.                                                                      |
| <b>Accessories available upon request</b> | Hinges<br>Drain/breather valve<br>Traffolyte/Stainless steel certificate label<br>Internal mounting plate<br>Earth continuity plates<br>Passing through earth bolt |

## Dimensions AQ../AR..



### AQ../AR.. Series junction boxes

| CODE          | TYPE         | DIMENSIONS [mm] |     |     |     |     | WEIGHT [Kg] |
|---------------|--------------|-----------------|-----|-----|-----|-----|-------------|
|               |              | A               | B   | C   | D   | E   |             |
| B030200001000 | AQ-080806P   | 75              | 80  | 55  | 45  | 48  | 0,23        |
| B030200002000 | AR-081106P   | 75              | 110 | 55  | 45  | 98  | 0,295       |
| B030200003000 | AQ-121209P   | 120             | 122 | 90  | 82  | 106 | 0,75        |
| B030200004000 | AR-122209P   | 120             | 220 | 90  | 82  | 204 | 1,06        |
| B030200005000 | AQ-161609P   | 160             | 160 | 90  | 110 | 140 | 1,29        |
| B030200006000 | AR-162609P   | 160             | 260 | 90  | 110 | 240 | 1,71        |
| B030200007000 | AR-163609P   | 160             | 360 | 90  | 110 | 340 | 2,15        |
| B030200009000 | AQ-252612P   | 250             | 255 | 120 | 200 | 235 | 2,65        |
| B030200010000 | AR-254012P   | 250             | 400 | 120 | 200 | 380 | 3,65        |
| B030200013000 | AR-256012P   | 250             | 600 | 120 | 200 | 580 | 5,235       |
| B030200014000 | AQ-414012P   | 405             | 400 | 120 | 355 | 380 | 5,58        |
|               | AQ-414020P   | 405             | 400 | 200 | 355 | 380 |             |
|               | AR-406025P * | 400             | 600 | 250 |     |     |             |

\*The standard enclosure is complete with hinges on the long side.

The codes refer to the empty and undrilled enclosures, sold under component certificate.

For complete junction boxes is necessary to ask to the Sales Office.

### Maximum number of entries on sides

| TYPE       | M20 / 1/2" |    | M25 / 3/4" |    | M32 / 1" |    | M40 / 1" 1/4 |   | M50 / 1" 1/2 |   | M63 / 2" |   |
|------------|------------|----|------------|----|----------|----|--------------|---|--------------|---|----------|---|
|            | A          | B  | A          | B  | A        | B  | A            | B | A            | B | A        | B |
| AQ-080806P | 1          | 1  | -          | 1  | -        | -  | -            | - | -            | - | -        | - |
| AR-081106P | 1          | 2  | -          | 2  | -        | -  | -            | - | -            | - | -        | - |
| AQ-121209P | 2          | 2  | 1          | 2  | 1        | 1  | 1            | 1 | -            | - | -        | - |
| AR-122209P | 2          | 5  | 1          | 4  | 1        | 3  | 1            | 3 | -            | - | -        | - |
| AQ-161609P | 3          | 3  | 2          | 3  | 1        | 2  | 1            | 1 | -            | - | -        | - |
| AR-162609P | 3          | 5  | 2          | 5  | 1        | 4  | 1            | 3 | -            | 3 | -        | - |
| AR-163609P | 3          | 8  | 2          | 7  | 1        | 6  | 1            | 5 | -            | 4 | -        | - |
| AQ-252612P | 8          | 10 | 8          | 10 | 3        | 7  | 3            | 4 | 2            | 3 | 2        | 2 |
| AR-254012P | 8          | 18 | 8          | 16 | 3        | 5  | 3            | 5 | 3            | 5 | 2        | 4 |
| AR-256012P | 8          | 25 | 8          | 24 | 3        | 10 | 3            | 8 | 2            | 6 | 2        | 6 |
| AQ-414012P | 16         | 18 | 6          | 14 | 5        | 6  | 5            | 5 | 4            | 5 | 3        | 6 |