

# AGUB and NGUB Instrument and Meter Enclosures

## Explosionproof, Dust-Ignitionproof

Furnished with aluminum body and solid or window cover.

### NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

Class III

NEMA 4, 4X, 7BCD, 9EFG

### Application

- To pull or splice wires and/or to mount and enclose electrical devices in hazardous locations.

### Features

- Precision threaded flame path between box and cover.
- O-ring gasket provided to seal out moisture, dust, oil, dirt etc. for interior and exterior locations.
- Cast mounting feet provided on all enclosures.
- Large cover opening for easy access.
- Available with solid or window covers.

### Standard Materials

- Bodies: copperfree (4/10 of 1% max.) aluminum
- AGUB and NGUB covers: copperfree (4/10 of 1% max.) aluminum
- AGUBSW and NGUBSW covers: copperfree (4/10 of 1% max.) aluminum and glass
- O-ring: neoprene

### Standard Finishes

- Corrosion resistant gray powder coat epoxy standard

### NEC/CEC Certifications and Compliances

- UL Standard: UL 1203
- cULus Classified: E84577
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 020945



# AGUB and NGUB Instrument and Meter Enclosures

## Explosionproof, Dust-Ignitionproof. Drilling and Tapping

Furnished with aluminum body and solid or window cover.

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Class I, Division 1 and 2, Groups B, C, D  
 Class II, Division 1 and 2, Groups E, F, G  
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 NEMA 4, 4X, 7BCD, 9EFG

Determine catalog number as follows: (1) select enclosure catalog number; (2) select "Conduit Opening Arrangement Diagram" number; and (3) select symbols that represent conduit opening sizes from "Symbol Table."

Where no opening is required, the symbol 0 must be inserted. Add suffix for other Optional Features. The various divisions of the complete catalog number should be separated by dashes.

### Example

The junction box selected is AGUB443A and the "Conduit Opening Arrangement" is diagram #1. Opening "a" is to be 3/4"; "b", no opening required; "c", 2"; and "d", 1-1/4".

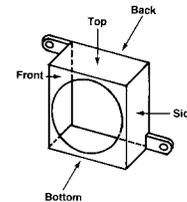
In this example, the complete catalog number is

### AGUB443A-1-BOFD

Standard Conduit Opening Arrangement Diagrams

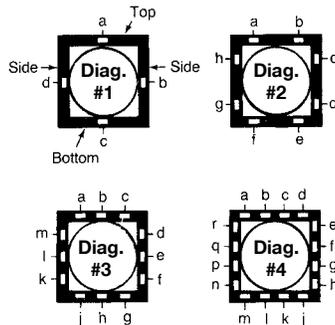
Opening "a" is always TOP of box

If a "Standard Conduit Opening Arrangement" is not suitable for the application, or when openings are to be more accurately spaced, submit sketch, locating openings (1) from centerlines of box and (2) from outside back of box (or from mounting lug surface if lugs are supplied).



### Standard Conduit Opening Arrangement Diagrams

Opening "a" is always TOP of box. All conduit openings will be located in centerline of walls and evenly spaced unless otherwise specified.



### Symbol Table

Drilling and Tapping (Five Threads Minimum)

Conduit Size Inches	Symbol	Conduit Size Inches	Symbol
0	Blank	-	-
1/2	A	2	F
3/4	B	2-1/2	G
1	C	3	H
1-1/4	D	3-1/2	J
1-1/2	E	4	K

### Minimum Recommended Spacing Between Conduit Openings

Allowance made for clearance over bushings. When unions or seals are used, additional space must be allowed.

Table shows minimum distances between conduit-opening centerlines in various size combinations. For example, if 1-1/2" and 3/4" openings are to be drilled and tapped into one side of box, the minimum spacing between centerlines would be 2.13".

Conduit Size Inches	Minimum Space Between Conduit Opening Centerlines in Millimeters (Inches)									
	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
1/2	31.8 (1.25)									
3/4	35.1 (1.38)	38.1 (1.50)								
1	39.6 (1.56)	42.9 (1.69)	47.8 (1.88)							
1-1/4	47.8 (1.88)	50.8 (2.00)	55.6 (2.19)	62.0 (2.44)						
1-1/2	50.8 (2.00)	54.1 (2.13)	58.7 (2.31)	66.8 (2.63)	69.9 (2.75)					
2	60.5 (2.38)	63.5 (2.50)	68.3 (2.69)	74.7 (2.94)	79.5 (3.13)	87.4 (3.44)				
2-1/2	63.5 (2.50)	66.8 (2.63)	71.4 (2.81)	79.5 (3.13)	82.6 (3.25)	92.2 (3.63)	95.3 (3.75)			
3	73.2 (2.88)	76.2 (3.00)	81.0 (3.19)	87.4 (3.44)	92.2 (3.63)	100.1 (3.94)	104.9 (4.13)	112.8 (4.44)		
3-1/2	79.5 (3.13)	82.6 (3.25)	87.4 (3.44)	95.3 (3.75)	98.6 (3.88)	108.0 (4.25)	111.3 (4.38)	120.7 (4.75)	127.0 (5.00)	
4	87.4 (3.44)	90.4 (3.56)	95.3 (3.75)	103.1 (4.06)	106.4 (4.19)	115.8 (4.56)	119.1 (4.69)	128.5 (5.06)	134.9 (5.31)	143.0 (5.63)

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ENCLOSURES AND JUNCTION BOXES: NEC/CEC EXPLOSIONPROOF ENCLOSURES

### Mounting Plates — Standard

Appleton			O-Z/Gedney		
Catalog Number		Use With	Catalog Number		Use With
Aluminum	Galvanized Steel	Box Catalog Number	Aluminum	Galvanized Steel	Box Catalog Number
AMPA-443	AMPG-443	AGUB-443A	NMPA-443	NMPG-443	NGUB-443A
AMPA-555	AMPG-555	AGUB-555A	NMPA-555	NMPG-555	NGUB-555A
AMPA-664	AMPG-664	AGUB-664A	NMPA-664	NMPG-664	NGUB-664A
AMPA-976	AMPG-976	AGUB-976A	NMPA-976	NMPG-976	NGUB-976A
AMPA-984	AMPG-984	AGUB-984A	NMPA-984	NMPG-984	NGUB-984A
AMPA-1093	AMPG-1093	AGUB-1093A	NMPA-1093	NMPG-1093	NGUB-1093A
AMPA-10105	AMPG-10105	AGUB-10105A	NMPA-10105	NMPG-10105	NGUB-10105A
AMPA-10106	AMPG-10106	AGUB-10106A	NMPA-10106	NMPG-10106	NGUB-10106A
AMPA-10108	AMPG-10108	AGUB-10108A	NMPA-10108	NMPG-10108	NGUB-10108A
AMPA-12128	AMPG-12128	AGUB-12128A	NMPA-12128	NMPG-12128	NGUB-12128A
AMPA-121212	AMPG-121212	AGUB-121212A	NMPA-121212	NMPG-121212	NGUB-121212A

### Mounting Plates — 90°

Appleton			O-Z/Gedney		
Catalog Number		Use With	Catalog Number		Use With
Aluminum	Galvanized Steel	Box Catalog Number	Aluminum	Galvanized Steel	Box Catalog Number
AMD-4-664A	AMD-4-664G	AGUB-664A	NMD-4-664A	NMD-4-664G	NGUB-664A
AMD-10-664A	AMD-10-664G	AGUB-664A	NMD-10-664A	NMD-10-664G	NGUB-664A
AMD-6-984A	AMD-6-984G	AGUB-984A	NMD-6-984A	NMD-6-984G	NGUB-984A
AMD-8-1093A	AMD-8-1093G	AGUB-1093A	NMD-8-1093A	NMD-8-1093G	NGUB-1093A
AMD-10-10105A	AMD-10-10105G	AGUB-10105A	NMD-10-10105A	NMD-10-10105G	NGUB-10105A

### Replacement Flat Covers

Appleton		O-Z/Gedney	
Catalog Number	Use With Box Catalog Number	Catalog Number	Use With Box Catalog Number
AFC-443A	AGUB-443A	NFC-443A	NGUB-443A
AFC-555A	AGUB-555A	NFC-555A	NGUB-555A
AFC-664A	AGUB-664A	NFC-664A	NGUB-664A
AFC-976A	AGUB-976A	NFC-976A	NGUB-976A
AFC-984A	AGUB-984A	NFC-984A	NGUB-984A
AFC-1093A	AGUB-1093A	NFC-1093A	NGUB-1093A
AFC-10105A	AGUB-10105A	NFC-10105A	NGUB-10105A
AFC-1010A	AGUB-10106/8A	NFC-1010A	NGUB-10106/8A
AFC-1212A	AGUB-12128/12A	NFC-1212A	NGUB-12128/12A

### NEMA 4X Breather/Drain Fittings

Description	Suffix Factory-Installed ①	Catalog Number Field-Installed
Drain Fitting	NGK-04	DRNB4X
Breather Fitting	NGK-10	BRTB4X

① Drilled and tapped installation included.