FIBOX

Enclosing innovations

NEW

ARCA – Upgrade to the 21st Century

ARCA Enclosures – Upgrade to the 21st Century

Fibox's new ARCA non-metallic enclosures provide users of classic electrical junction boxes an easy upgrade path to a high performance enclosure featuring 21st century technology. Precision, injection molded, ARCA enclosures feature excellent chemical resistance and the wide temperature utilization range of polycarbonate plastic. Available in classic JIC sizes, these enclosures feature industry standard dimensions and panels.

ARCA enclosures advance beyond tradition to meet and exceed the growing demands of 21st century applications. ARCA's rugged construction achieves a unique appearance without sacrificing robustness. The stylized cover features an overlapping design providing superior protection of the formed-in-place PUR gasket.

ARCA enclosures are available as a screw cover enclosure, a hinged screw cover enclosure, or a hinged enclosure with latches. Select from a variety of latch options. Enclosure covers are available as either opaque or transparent clear. Complete ranges of mounting plates, fixed inner panels and hinged inner panels are available, in metal or non-metallic versions.
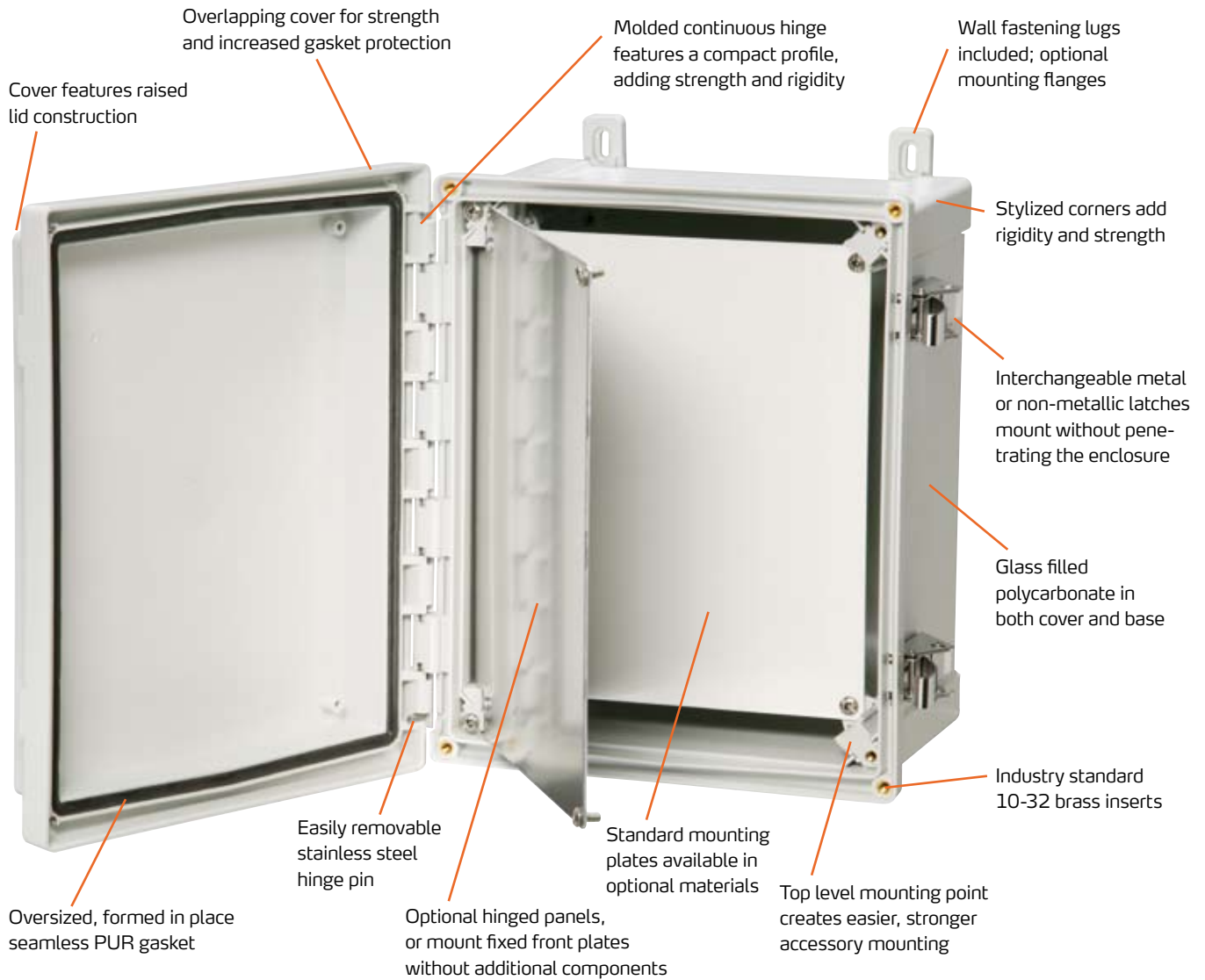
ENCLOSURES

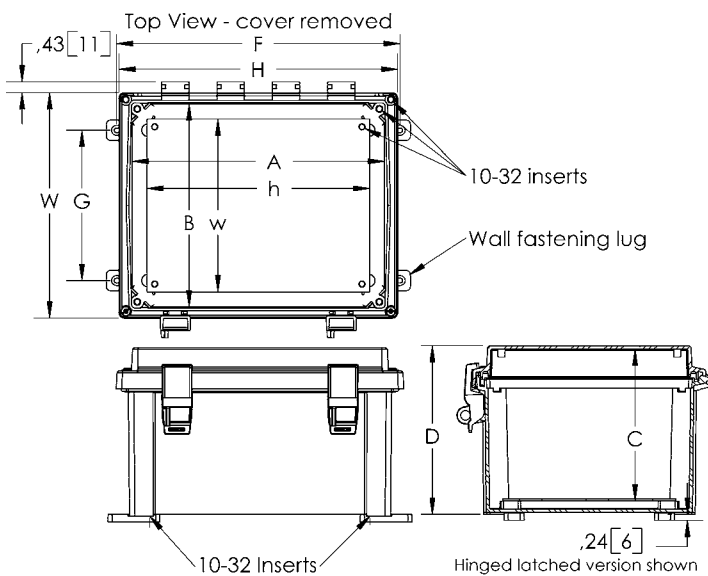| Catalog Number			Enclosure Size A x B x C	Panel Catalog Number	Panel Size h x w	Enclosure Mounting F x G	Exterior Overall H x W x D
Screw Cover	Hinged Screw Cover	Hinged with Latch*					
AR664SC AR664SCT	AR664CHSC AR664CHSCT	AR664CHSSL AR664CHSSLT	6.0 x 6.0 x 4.0 (152 x 152 x 102)	ABP66	4.9 x 4.9 (124 x 124)	6.7 x 4.0 (170 x 102)	7.6 x 7.4 x 4.7 (192 x 188 x 120)
AR865SC AR865SCT	AR865CHSC AR865CHSCT	AR865CHSSL AR865CHSSLT	8.0 x 6.0 x 5.0 (203 x 152 x 127)	ABP86	6.7 x 4.9 (171 x 124)	8.7 x 4.0 (220 x 102)	9.5 x 7.4 x 5.7 (242 x 189 x 145)
AR884SC AR884SCT	AR884CHSC AR884CHSCT	AR884CHSSL AR884CHSSLT	8.0 x 8.0 x 4.3 (203 x 203 x 108)	ABP88	6.9 x 6.9 (175 x 175)	8.4 x 6.0 (213 x 152)	9.5 x 9.3 x 4.9 (241 x 236 x 125)
AR1084SC AR1084SCT	AR1084CHSC AR1084CHSCT	AR1084CHSSL AR1084CHSSLT	10.0 x 8.0 x 4.3 (254 x 203 x 108)	ABP108	8.9 x 6.9 (225 x 175)	10.4 x 6.0 (264 x 152)	11.5 x 9.3 x 4.9 (292 x 236 x 125)
AR1086SC AR1086SCT	AR1086CHSC AR1086CHSCT	AR1086CHSSL AR1086CHSSLT	10.0 x 8.0 x 6.0 (254 x 203 x 152)	ABP108	8.9 x 6.9 (225 x 175)	10.7 x 6.0 (271 x 152)	11.5 x 9.3 x 6.7 (291 x 237 x 171)
AR10106SC AR10106SCT	AR10106CHSC AR10106CHSCT	AR10106CHSSL AR10106CHSSLT	10.0 x 10.0 x 6.3 (254 x 254 x 159)	ABP1010	8.9 x 8.9 (225 x 225)	10.4 x 8.8 (264 x 223)	11.4 x 11.4 x 7.0 (290 x 290 x 177)
AR12106SC AR12106SCT	AR12106CHSC AR12106CHSCT	AR12106CHSSL AR12106CHSSLT	12.0 x 10.0 x 6.0 (305 x 254 x 152)	ABP1210	10.8 x 8.9 (275 x 225)	12.7 x 8.0 (322 x 203)	13.5 x 11.4 x 6.7 (342 x 289 x 171)
AR14127SC AR14127SCT	AR14127CHSC AR14127CHSCT	AR14127CHSSL AR14127CHSSLT	14.0 x 12.0 x 7.0 (356 x 305 x 178)	ABP1412	12.8 x 10.8 (324 x 275)	14.8 x 10.0 (375 x 254)	15.5 x 13.3 x 7.7 (393 x 339 x 196)
AR16148SC AR16148SCT	AR16148CHSC AR16148CHSCT	AR16148CHSSL AR16148CHSSLT	16.0 x 14.0 x 8.0 (406 x 356 x 203)	ABP1614	14.8 x 12.9 (376 x 328)	16.7 x 12.0 (424 x 305)	17.8 x 15.5 x 8.7 (452 x 394 x 221)
AR181610SC AR181610SCT	AR181610CHSC AR181610CHSCT	AR181610CHSSL AR181610CHSSLT	18.0 x 16.0 x 10.0 (457 x 406 x 254)	ABP1816	16.7 x 14.9 (424 x 378)	18.7 x 14.0 (475 x 356)	19.8 x 17.5 x 10.7 (503 x 444 x 272)

* Latch options available - metallic latch shown

P/N suffix T denotes transparent cover

ARCA is a trademark of Fibox Inc.

Cover features raised lid construction

Overlapping cover for strength and increased gasket protection

Molded continuous hinge features a compact profile, adding strength and rigidity

Wall fastening lugs included; optional mounting flanges

Stylized corners add rigidity and strength

Interchangeable metal or non-metallic latches mount without penetrating the enclosure

Glass filled polycarbonate in both cover and base

Easily removable stainless steel hinge pin

Oversized, formed in place seamless PUR gasket

Optional hinged panels, or mount fixed front plates without additional components

Standard mounting plates available in optional materials

Top level mounting point creates easier, stronger accessory mounting

Industry standard 10-32 brass inserts

DRAWINGS

Top View - cover removed

,43 [11]

F

H

W G

A
h
B w

10-32 inserts

Wall fastening lug

D

C

10-32 Inserts

,24 [6]

Hinged latched version shown

TECHNICAL INFORMATION

PROPERTY	
Environmental ingress	UL Type 4, 4X, 6, 6P, 12 and 13
Impact resistance	Impact rating per UL 508 / UL 50
NRTL Listing	Underwriters Laboratories UL, cUL Listed under UL 508
Temperature Range: °Celsius	-40°. . .+140°C
Short term °Fahrenheit	-40°. . .+284°F
Temperature Range: °Celsius	-40°. . .+80°C
Long term °Fahrenheit	-40°. . .+175°F
Electrical insulation	Totally insulated
Color	RAL 7035 - Light gray
Cover screws and hardware	10-32, stainless steel
Accessory mounting screws	10-32, stainless steel
Gasket	Formed in place polyurethane (PUR)
Flammability rating	Enclosure flammability rating per UL 508
Toxicity	Non-Toxic, halogen free, RoHS compliant

Data subject to change without notice.

Fibox Enclosures

Fibox, a privately owned Finnish company, is one of the largest enclosure manufacturers in the world, and is the market leader in thermoplastic enclosures used for protecting electrical and electronic components operating in hostile environments. Fibox enclosures are manufactured in modern factories located in Finland, Germany, China and Republic of Korea.

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ABOUT FIBOX

1000 CHOICES TO MEET YOUR DEMANDING ENVIRONMENTS

The Fibox range of standard enclosures provides the designer with over 1000 choices for packaging electrical and electronics equipment operating in hostile environments. Fibox enclosures comply with UL 50/508 and EN 60529. Most of our enclosures have achieved Type ratings of NEMA 4X, 6 and 6P, and Ingress ratings of IP 66/IP 67. Enclosure performance is verified by independent laboratory testing and on-going monitoring of production. Fibox brand accessories make our enclosures more functional and are easy to use. Standard solutions exist for panel management, hinged inner doors, and air ventilation.

CUSTOMIZED ENCLOSURES TO EXPAND YOUR OPTIONS

To increase the range and flexibility of our packaging solutions, Fibox has developed a comprehensive range of services, permitting cost effective customization for specific applications. The two most important of these are machining services and customized tooling. Our advanced CNC machinery can supply enclosures with holes, cutouts and openings to your specification. For large OEM volumes, our sophisticated, multiple slide tooling permits cost effective modification of any side of the enclosure. CAD drawings of standard enclosures are available at www.fiboxusa.com to aid the engineer in creating the most cost effective customization.

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