VMS

Features

- Modular dimensions in increments of 4", from 12" x 8" to 24" x 16".
- Bases and end plates in fiberglass reinforced polycarbonate, with covers in polycarbonate.
- Covers transparent, opaque or DT cover, common design and depth.
- DT cover with double closure system: snap lock and additional fastening with thumb screws.
- Basic design incorporates removable side walls for easy access and wiring.
- Time saving coupling by means of vertical keys, sunk into the corner shafts, eliminating nuts, bolts and coupling frames.
- End plates, with or without openings, are snapped on from the outside and fixed by means of the vertical keys.
- Once mounted, end plates are flush with the side panels of the base.
- Depth extension frames provide additional 3".
- Accessories include mounting plates, DIN-rail mounting, fixing brackets, dead front cover plates with quarter turn fasteners.
- Temperature resistance: -58°F to +302°F (-50°C to +150°C), momentary +392°F (200°C)

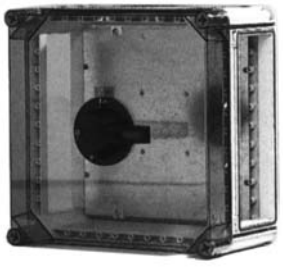
Applications

Designed for use with panelboards, motor control centers and electronic instrumentation requiring high impact strength and IP65 rating.

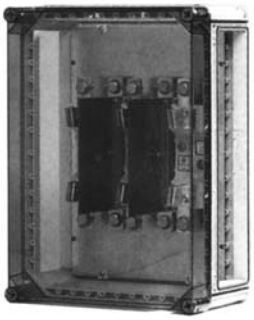
Standards

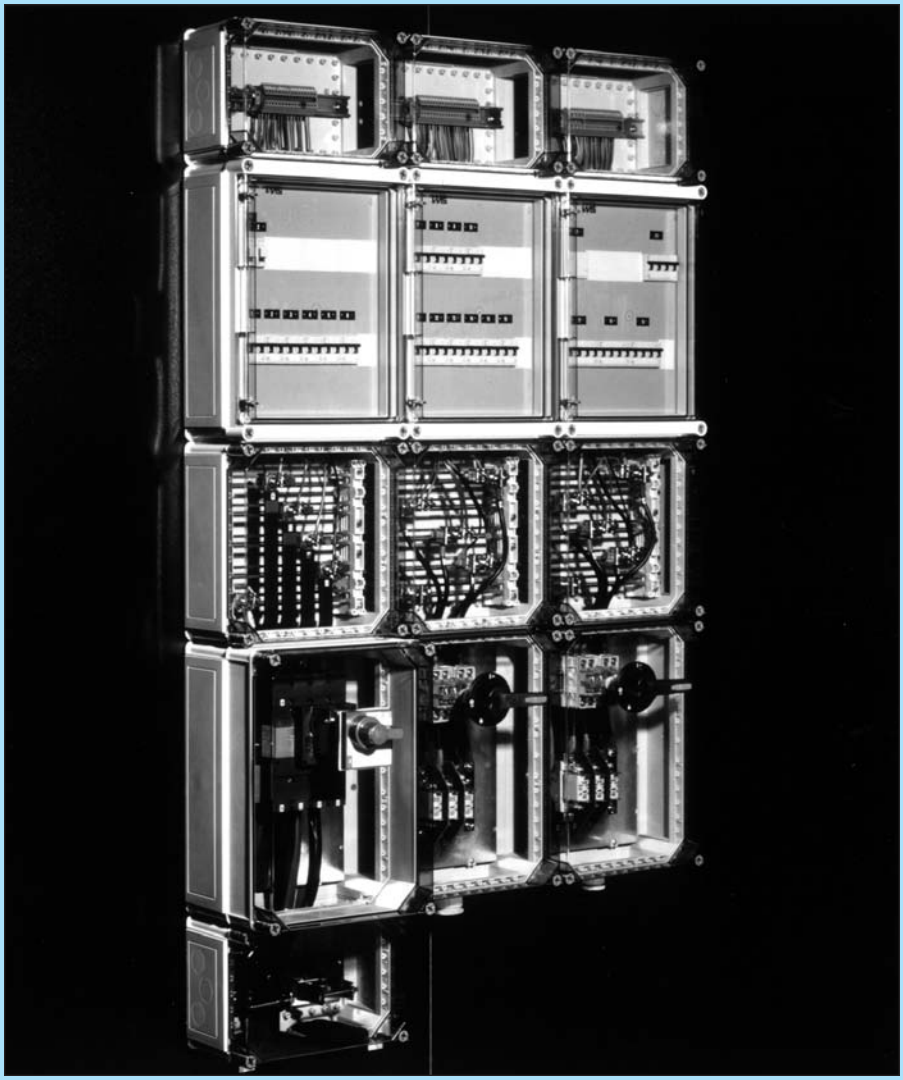
IEC 529 & IP65
EN 60529

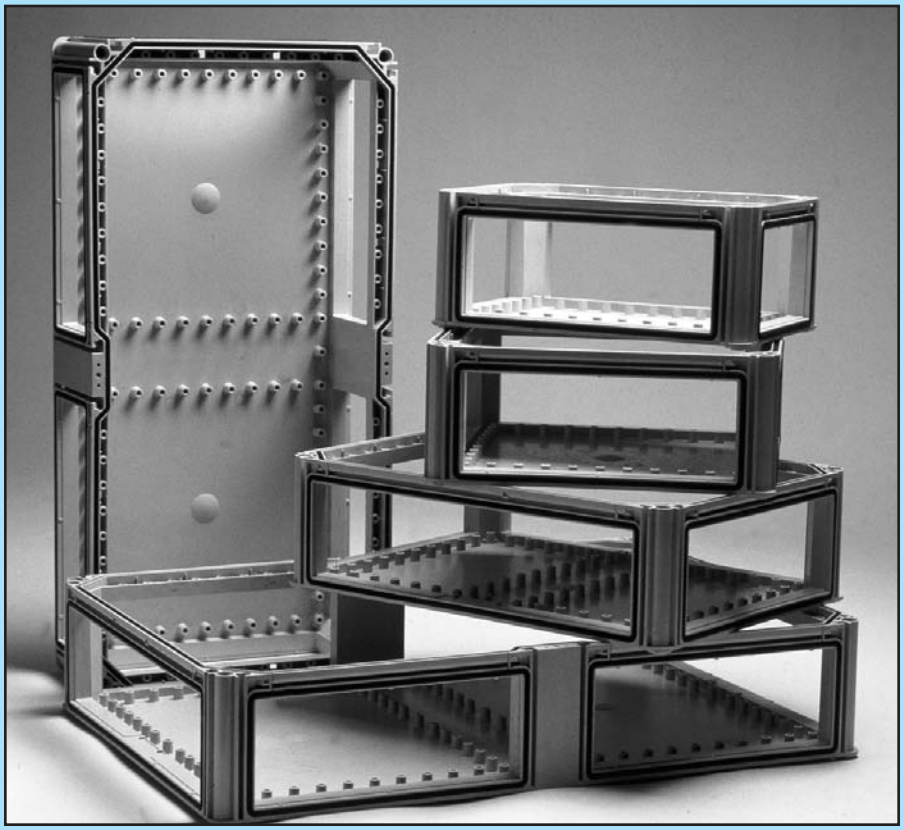
Enclosures for loadbreak switches

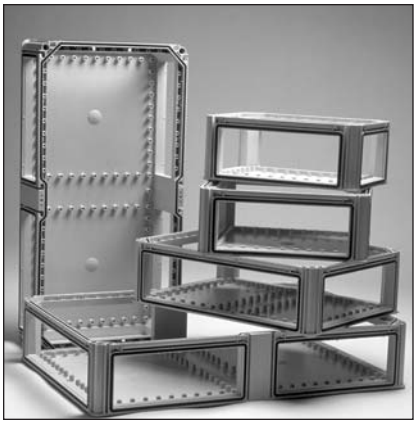


Enclosures with H.R.C. fuse plates



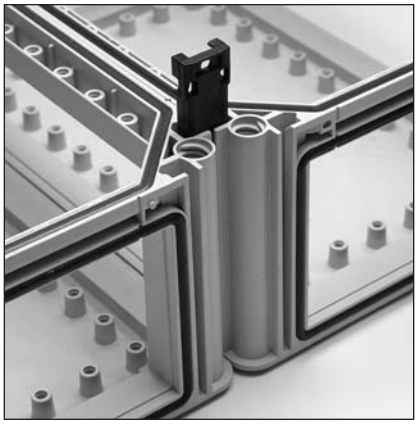




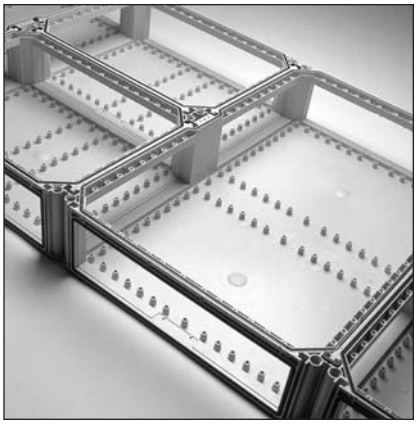


Modular dimensions in increments of 100 mm in height and width, available in five sizes:

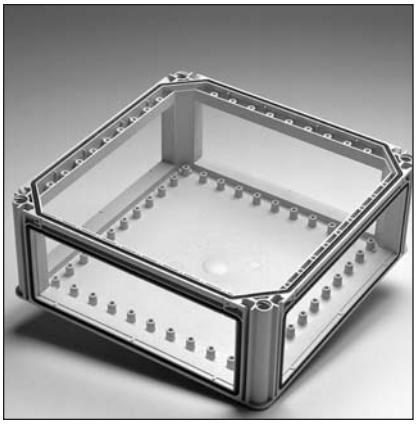
320 x 220 mm
320 x 320 mm
440 x 320 mm
640 x 320 mm
640 x 440 mm



Time saving coupling by means of vertical keys sunk into the corner shafts.



Excellent accessibility and wiring space for installation, mounting and cable connection, even after coupling.

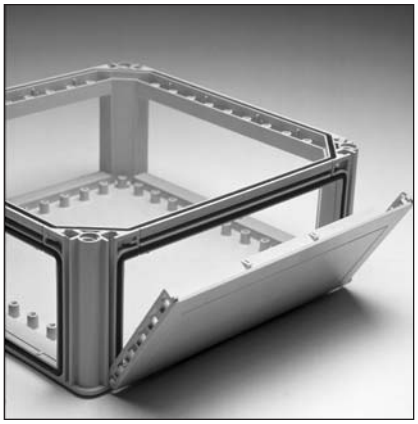


Fixing points for accessories in increments of 25 mm in bottom plate and top end of the base.
Captive integrated gaskets on bottom and side.
Large rectangular passage openings.

Assorted covers: transparent, opaque, or hinged, common design and depth.

Cover recess for self-adhesive total installation icon.

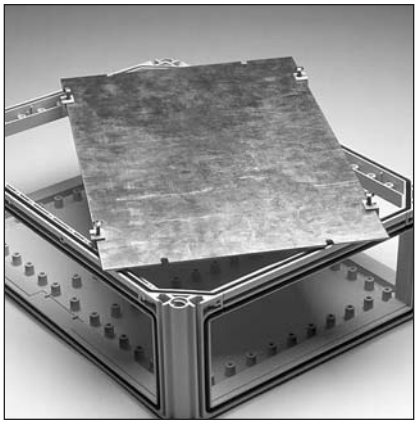
Hinged cover with double closure system:
1. A snap lock
2. Additional fastening by means of two thumb screws



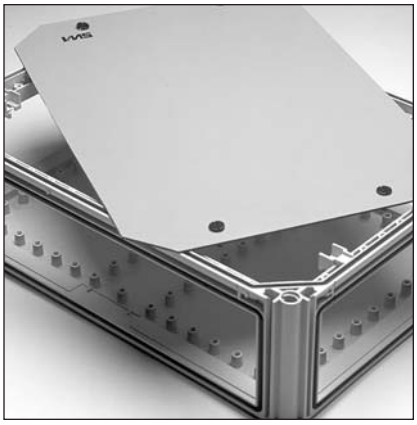
End plates, combi or blind, are snapped on from the outside and fixed by means of vertically sunk keys.

Once mounted, end plates fit perfectly flush with the side panels of the base.

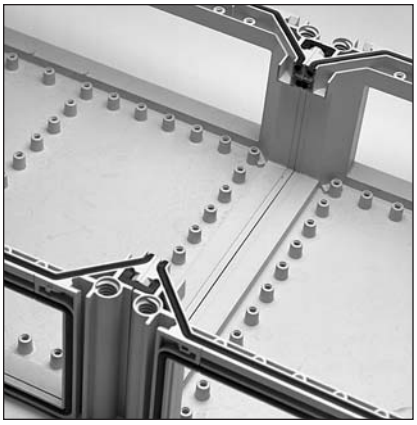
Depth extension frames offer additional mounting depth of 75 mm for each box type.



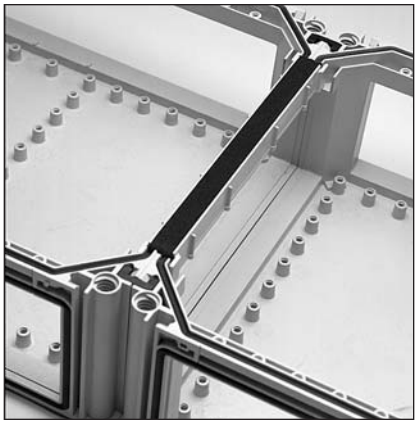
Rectangular mounting plates (2 mm in metal or 5 mm in laminated pertinax) with mounting set. Usable mounting depth is maximized and not dependent on plate thickness.



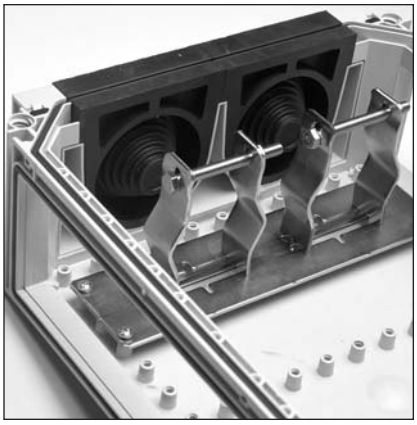
Plain cover plates with quarter-turn fasteners. Cover plates are fully supported by the base top frame.



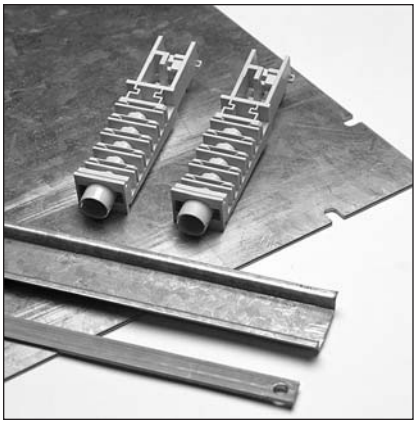
Bridges allow connection of heavy cables (320 and 440 mm sides).



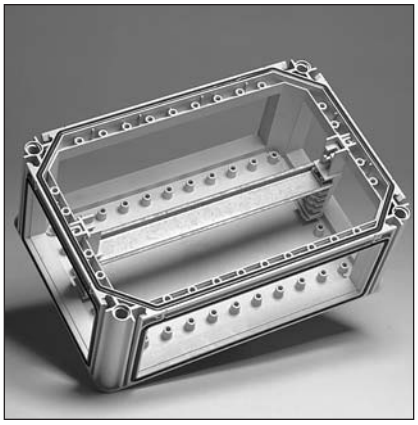
Bridges are inserted after connection of cables (320 and 440 mm sides).



Universal cable entries and stress relieving cable clamps for cables up to Ø 75 mm can be located in any base on side 300 mm (for two cables) or on side 400 mm (for three cables).



Adjustment of depth in five increments, for DIN-rails, mounting plates and mounting profiles 12 x 2 mm.



Universal support for screwless and depth adjustable installation of component rails. The support is simply clicked over the base.

Stainless steel fixing brackets featuring three optional positions: 0°, 45° and 90°.

FRP NEMA 3, 3R, 4, 4X, 12 & 13 enclosures VMS with Opaque Cover

For hinged version add “H” to catalog number

Catalog Number	Outside H	Outside W	Outside D	Inside h	Inside w	Inside d	Mounting Plate Number	Panel H	Panel W	Non-Metallic Dead Front
VMS1208	12.60	8.66	7.04	5.91	9.84	5.78	*VMMP1208	6.3	10.2	VMDF1208
Weight 2.75 lbs.	320	220	179	150	250	147		160	259	
VMS1212	12.60	12.60	7.04	9.84	9.84	5.78	*VMMP1212	10.2	10.2	VMDF1212
Weight 3.5 lbs.	320	320	179	250	250	147		259	259	
VMS1612	17.32	12.60	7.04	14.57	9.84	5.78	*VMMP1612	15	10.2	VMDF1612
Weight 4.41 lbs.	440	320	179	370	250	147		381	259	
VMS2412	25.20	12.60	7.04	22.44	9.84	5.78	*VMMP2412	22.8	10.2	VMDF2412
Weight 6.56 lbs.	640	320	179	570	250	147		579	259	
VMS2416	25.20	17.32	7.04	22.44	14.57	5.78	*VMMP2416	22.8	15	VMDF2416
Weight 8.34 lbs.	640	440	179	570	370	147		579	381	

FRP NEMA 3, 3R, 4, 4X, 12 & 13 enclosures VMS with Clear Cover

For hinged version add “H” to catalog number

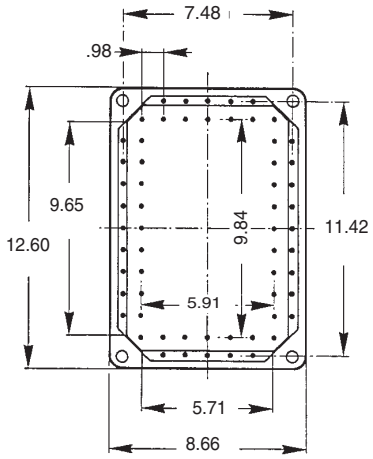
Catalog Number	Outside H	Outside W	Outside D	Inside h	Inside w	Inside d	Mounting Plate Number	Panel H	Panel W	Non-Metallic Dead Front
VMS1208CT	12.60	8.66	7.04	5.91	9.84	5.78	*VMMP1208	6.3	10.2	VMDF1208
Weight 2.75 lbs.	320	220	179	150	250	147		160	259	
VMS1212CT	12.60	12.60	7.04	9.84	9.84	5.78	*VMMP1212	10.2	10.2	VMDF1212
Weight 3.5 lbs.	320	320	179	250	250	147		259	259	
VMS1612CT	17.32	12.60	7.04	14.57	9.84	5.78	*VMMP1612	15	10.2	VMDF1612
Weight 4.41 lbs.	440	320	179	370	250	147		381	259	
VMS2412CT	25.20	12.60	7.04	22.44	9.84	5.78	*VMMP2412	22.8	10.2	VMDF2412
Weight 6.56 lbs.	640	320	179	570	250	147		579	259	
VMS2416CT	25.20	17.32	7.04	22.44	14.57	5.78	*VMMP2416	22.8	15	VMDF2416
Weight 8.34 lbs.	640	440	179	570	370	147		579	381	

*For galvanized steel use suffix “S” For non-metallic use suffix “N”

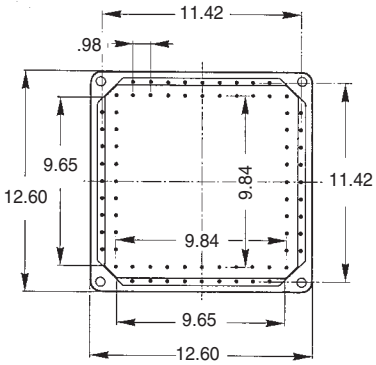
NOTE: - Millimeters

Bases

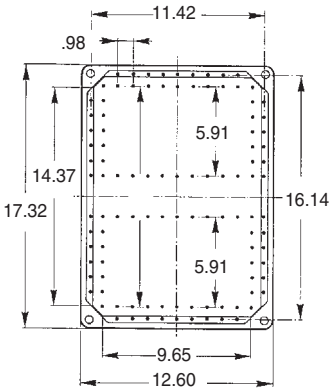
VMS1208



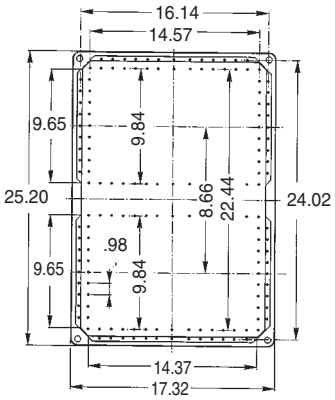
VMS1212



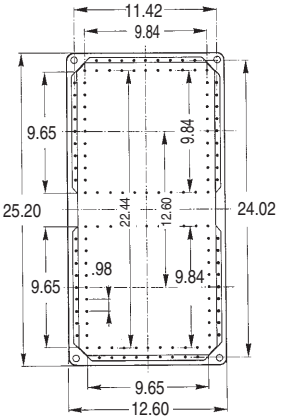
VMS1612



VMS2416

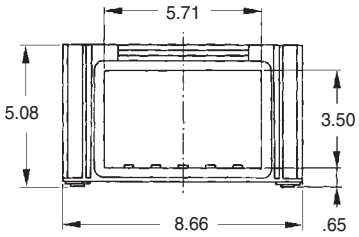


VMS2412

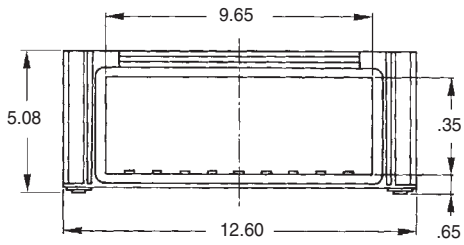


Openings in the base side walls

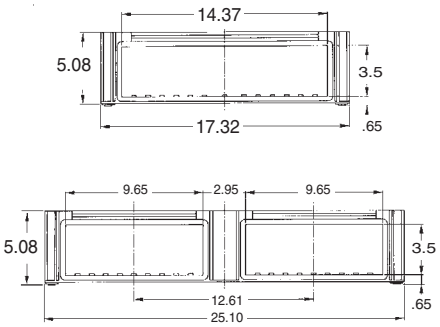
8" SIDE CUTOUT



12" SIDE CUTOUT

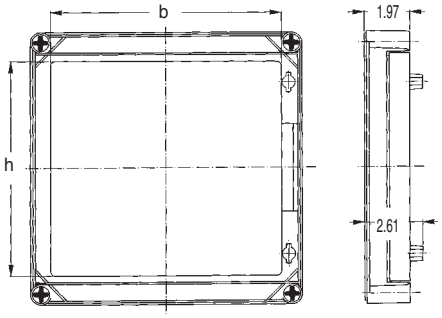


16" SIDE CUTOUT



Pivoting covers

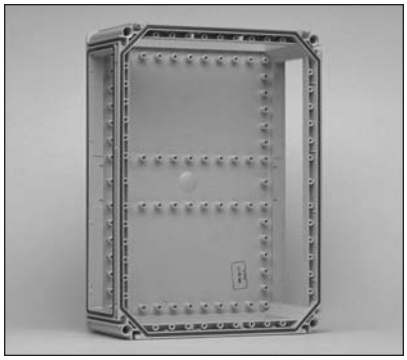
VMDT



Type	Dimensions	b	h
VMDT 1212	12.60 x 12.60	10.24	9.49
VMDT1612	17.32 x 12.60	10.24	14.21

Polycarbonate Base for FRP NEMA rating 3, 3R, 4, 4X, 12 &13 enclosures

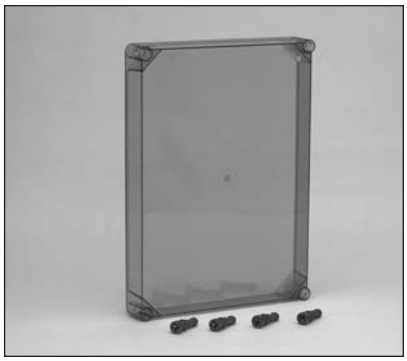
Catalog Number	Inside h	w	d	Weight (lbs.)
VMB1208	12.60	8.66	5.12	1.96
	320	220	130	
VMB1212	12.60	12.60	5.12	2.41
	320	320	130	
VMB1612	17.32	12.60	5.12	2.98
	440	320	130	
VMB2412	25.20	12.60	5.12	4.10
	640	32	130	
VMB2416	25.20	17.32	5.12	5.17
	640	440	130	

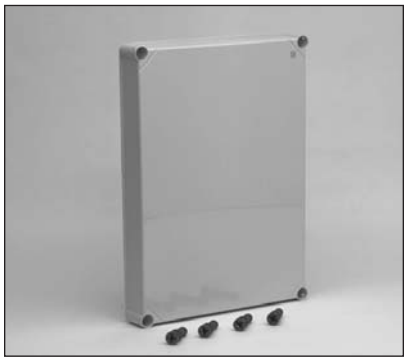


Polycarbonate Covers for FRP NEMA rating 3, 3R, 4, 4X, 12 & 13 enclosures

Catalog Number	Inside h	w	d	Weight (lbs.)
CLEAR COVER				
VMCT1208	12.60	8.66	1.97	.80
	320	220	50	
VMCT1212	12.60	12.60	1.97	1.09
	320	320	50	
VMCT1612	17.32	12.60	1.97	1.43
	440	320	50	
VMCT2412	25.20	12.60	1.97	2.46
	640	320	50	
VMCT2416	25.20	17.32	1.97	3.17
	640	440	50	
OPAQUE COVER				
VMCG1208	12.60	8.66	1.97	.80
	320	220	50	
VMCG1212	12.60	12.60	1.97	1.09
	320	320	50	
VMCG1612	17.32	12.60	1.97	1.43
	440	320	50	
VMCG2412	25.20	12.60	1.97	2.46
	640	320	50	
VMCG2416	25.20	17.32	1.97	3.17
	640	440	50	
HINGED TRANSPARENT DOOR IN COVER (DT STYLE)				
VMDT1212	12.60	12.60	1.97	1.09
	320	320	50	
VMDT1612	17.32	12.60	1.97	1.43
	440	320	50	

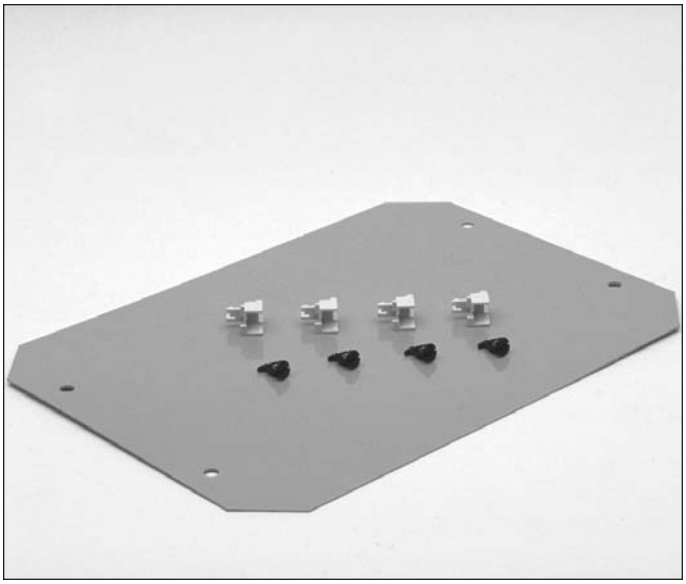
NOTE: - Millimeters

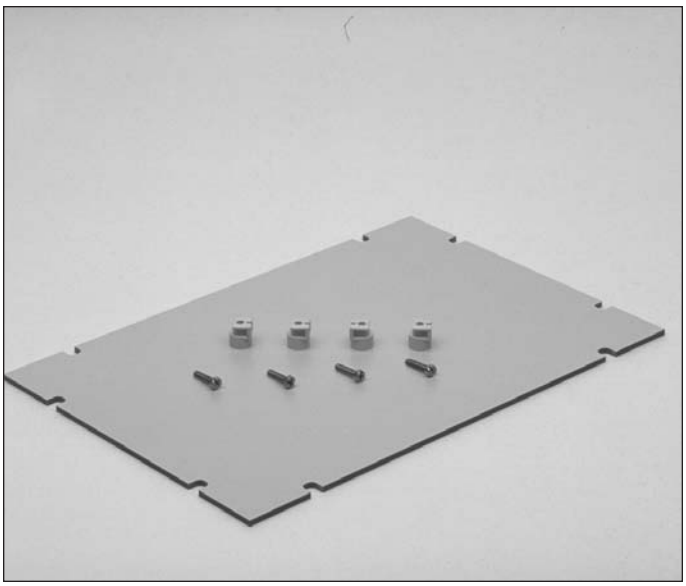


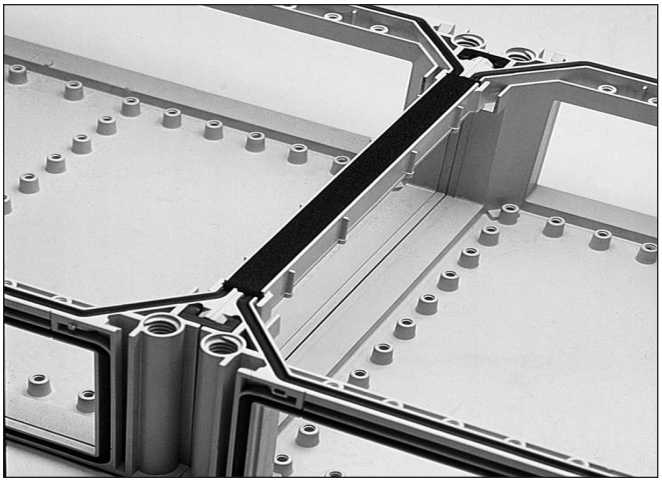


Accessories for FRP NEMA rating 3, 3R, 4, 4X, 12 &13 enclosures

Catalog Number	Inside h	w	d
EXTENSION FRAME w/ FIXING SCREWS			
VMEF1208	12.60	8.66	2.95
	320	220	75
VMEF1212	12.60	12.60	2.95
	320	320	75
VMEF1612	17.32	12.60	2.95
	440	320	75
VMEF2412	25.20	12.60	2.95
	640	320	75
VMEF2416	25.20	17.32	3.00
	640	440	75
PLAIN NON-METALLIC COVER PLATE			
VMDF1208	11.85	7.91	
	301	201	
VMDF1212	11.85	11.85	
	301	301	
VMDF1612	16.57	11.85	
	421	301	
VMDF2412	24.45	11.85	
	621	301	
VMDF2416	24.45	16.57	
	621	421	
GALVANIZED STEEL MOUNTING PLATE			
VMMP1208S	10.24	6.30	
	260	160	
VMMP1212S	10.24	10.24	
	260	260	
VMMP1612S	14.96	10.24	
	380	260	
VMMP2412S	22.83	6.30	
	580	160	
VMMP2416S	22.83	14.96	
	580	380	



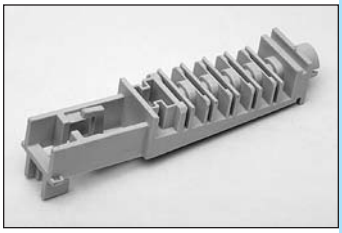




Universal support

To fit:
– mounting plates (metal or synthetic)
– cover plates
– copper rail 15 x 3
– copper rail 9 x 6.5
– mounting rail 12 x 2 mm

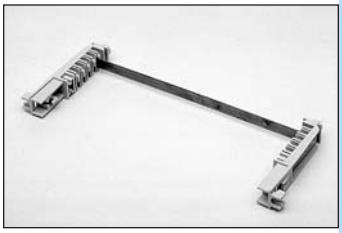
VMUS



Symmetrical DIN-profiles

Always suppled with two universal supports

1	VMDP08	220
1	VMDP12	320
1	VMDP16	440



Mounting rail 12 x 2 mm

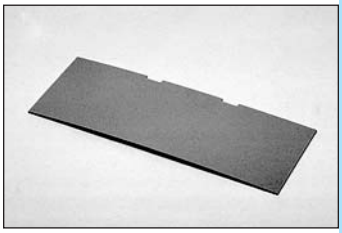
To fit connection terminal blocks
Always supplied with two universal supports

1	VMMR08	220
1	VMMR12	320
1	VMMR16	440

Partition plates

For full compartimentalization of coupled bases

1	VMPP08	220
1	VMPP12	320
1	VMPP16	440



Fixing brackets

– Stainless steel
– For external fixing points
– Direct fitting through the corner shafts of the base
– To be installed prior to extension frame or hinge installation
– Three optional mounting positions (0°, 45°, 90°)

VMMB

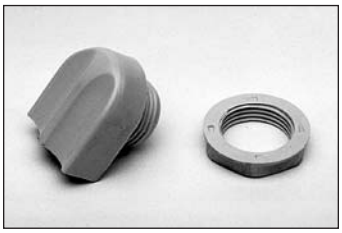
Set of four brackets with screws

Air vent

Install two air vents per enclosure to allow ventilation to prevent condensation.

SEDV

Set of 2 pieces.



Hinge

Base must be fixed prior to hinge installation

VMSH

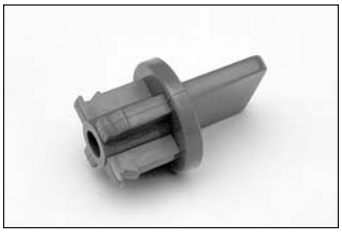
Set of 2 pieces.

Wingnut

For cover screw or hinge

VMTG

Set of 4 pieces.



Self-tapping screws

For fixation in the base

VM513
5 x 13 mm
VM516
5 x 16 mm
VM522
5 x 22 mm

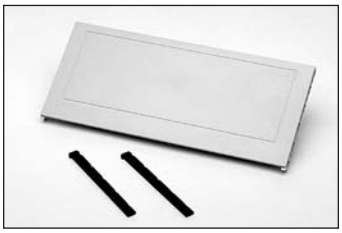
To fasten components to metallic mounting plates

VM616
6 x 16 mm
VM622
6 x 22 mm

VMS ACCESSORIES

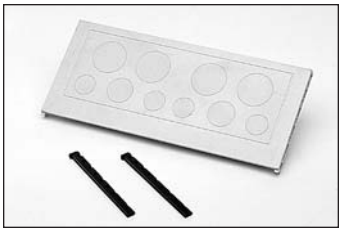
End plates
Blind end plates

VMEP08	220
VMEP12	320
VMEP16	440



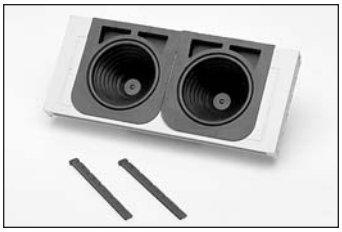
Combi end plates

VMEP08K3	220	3 x PG 29
VMEP08K5	220	1 x PG42 + 4 x PG16
VMEP12K6	320	6 x PG29
VMEP12K7	320	3 x PG42 + 4 x PG16
VMEP12K22	320	22 x PG13.5
VMEP12K10	320	4 x PG29 + 2 x PG21 + 4 x PG16
VMEP12K16	320	16 x PG16
VMEP12K12	320	8 x PG21 + 4 x PG16
VMEP16K26	440	26 x PG16
VMEP16K14	440	4 x PG29 + 4 x PG21 + 6 x PG16



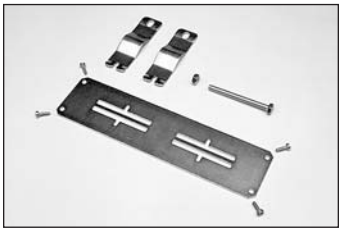
Cable entries

VMCAE12	320	Ø max. of cable: 2 x 75 mm
VMCAE16	440	Ø max. of cable: 3 x 75 mm



Cable stress release
With one clamp (Ø max. of cable: 75 mm)

VMCAS12	320
VMCAS16	440

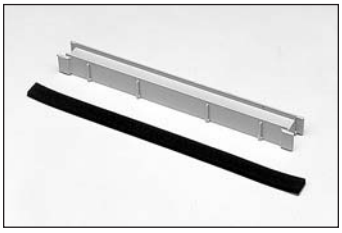


Cable clamp
To mount on cable stress release
(Ø max. of cable: 75 mm)

VMCAC

Bridges
For large cross-section cables

VMBR12	320
VMBR16	440

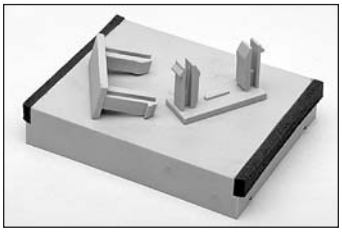


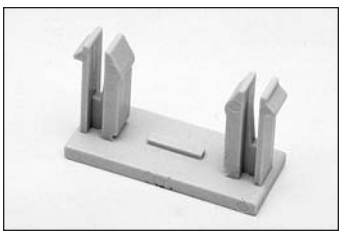
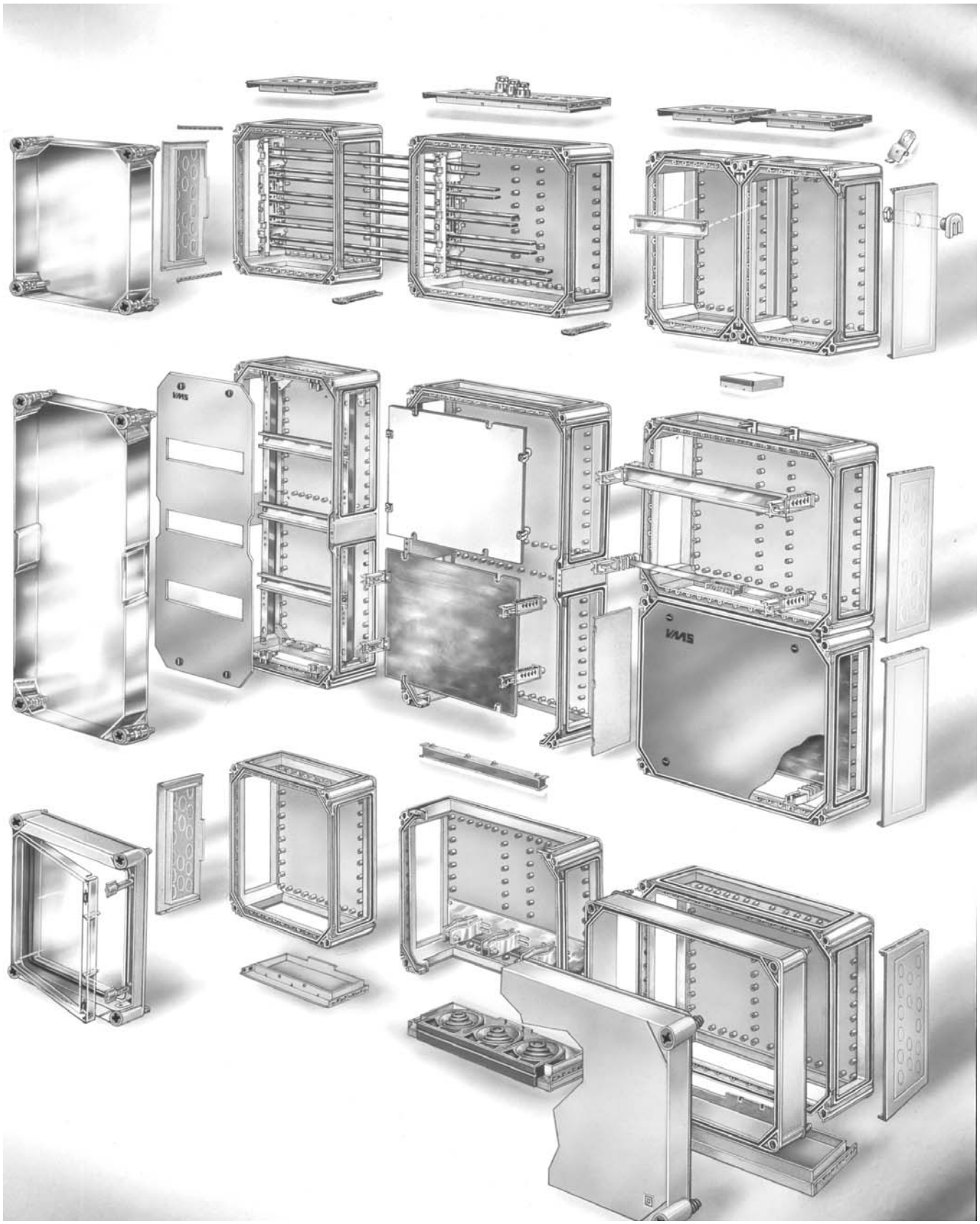
Coupling key
For base coupling

VMCK

Coupling sets
To couple 2 sides of 220 mm to one side of 440 mm
With mounting accessories

VMCS



Coupling clamp
For coupling in special cases

VMCOC