



vynckier

ENCLOSURE SYSTEMS INC.



VM Series Enclosures - NEMA 4X Rated Non-Metallic Enclosures

** Suffix

CT: Transparent cover with four non-metallic corner screws

CTK: Transparent cover with four non-metallic corner screws and knockouts in the base

CT and CTK not available in 433, 733 and 933 enclosures

Available with standard and customer push button configurations

Features

- Enclosures are maintenance free and corrosion resistant.
- Bases and opaque covers are made from Valox® 357U that can withstand continuous temperatures up to 280°F (138°C).
- Transparent covers are made from polycarbonate that can withstand continuous temperatures from -13°F to +104°F (-25°C to +40°C).
- Knockouts in the base facilitate conduit entry
- Cover screw holes in corners are outside of the gasketed area.
- Continuous gaskets made of polyurethane foam guarantee optimal integrity.
- All enclosures can be easily modified to customer specifications.

Applications

The VM Series enclosure is designed for use as insulated electrical junction boxes, terminal wiring boxes, instrument housings, electrical control boxes and push-button housings in wet, dusty and corrosive environments.

Standards

IEC 60529 (IP66)

EN 60529 (IP66)

Approvals

UL Listed Types 4, 4X, 3, 3R, 12 & 13

CSA 4, 4X, 3, 3R, 12 & 13



VM Series Data Sheet

Rev 01/12/16





VM Series Data Sheet

Part Number	Exterior Dimensions	Interior Dimensions	Weight	Back Plate
**suffix (ex. VM533CTK)	H x W x D Inches (mm)	H x W x D Inches (mm)	Lbs (kg)	A: Aluminum S: Steel N: Non-Metallic
VM533CT**	5.03 x 3.06 x 3.02 (128 x 78 x 77)	4.69 x 2.72 x 2.72 (119 x 69 x 69)	.26 (.12)	VMBP53A
VM534CT**	5.03 x 3.06 x 4.02 (128 x 78 x 102)	4.69 x 2.72 x 3.72 (119 x 69 x 69)	.31 (.14)	VMBP53A
VM553CT**	5.03 x 5.03 x 3.02 (128 x 128 x 77)	4.69 x 4.69 x 2.72 (119 x 119 x 69)	.43 (.20)	VMBP55A
VM554CT**	5.03 x 5.03 x 4.02 (128 x 128 x 102)	4.69 x 4.69 x 3.72 (119 x 119 x 94)	.48 (.22)	VMBP55A
VM753CT**	7.00 x 5.03 x 2.97 (178 x 128 x 75)	6.65 x 4.69 x 2.72 (169 x 119 x 69)	.56 (.25)	VMBP75A
VM754CT**	7.00 x 5.03 x 4.02 (178 x 128 x 102)	6.65 x 4.69 x 3.72 (169 x 119 x 94)	.61 (.28)	VMBP75A
VM755CT**	7.00 x 5.03 x 5.02 (177 x 128 x 128)	6.65 x 4.69 x 4.72 (169 x 119 x 120)	.66 (.30)	VMBP75A
VM773CT**	7.00 x 7.00 x 3.02 (178 x 178 x 77)	6.65 x 6.65 x 2.72 (169 x 169 x 69)	.83 (.38)	VMBP77A
VM775CT**	7.00 x 7.00 x 5.02 (178 x 178 x 128)	6.65 x 6.65 x 4.72 (169 x 169 x 120)	.93 (.42)	VMBP77A
VM776CT**	7.00 x 7.00 x 6.02 (178 x 178 x 153)	6.65 x 6.65 x 5.72 (169 x 169 x 145)	.98 (.44)	VMBP77A

Mechanical

Tensile strength	7000 psi
Tensile strain at break	110%
Flexural strength	12,000 psi
Flexural modulus	300,000 psi
Izod impact @ 73°F	10.0 ft-lb/in

Thermal

HDT @ 66 psi	280°F
HDT @ 264 psi	210°F
Relative thermal index elec. w/impact	120°C
Relative thermal index mech. w/out impact	140°C

Electrical

Dissipation factor @ 1 MHz	0.0300
Dielectric constant @1 MHz	3.20
Volume resistivity	1.2E16 ohm-cm

Other

Specific gravity	1.34
UL94V-0 flame class rating	0.025 in
UL945VA flame class rating	0.12 in
Mold shrinkage at 0.125 in	10-14 E-3 in/in
Water absorption 24 hrs @ 73°F	0.08%

Rev 01/12/16

