

Polyester NEMA sized boxes






Applications

- Industry
- Steel works
- Oil refineries
- Petrochemical plants
- Breweries
- Shipyards
- Public utilities

Standards

IEC 60439-1	IEC 60529
EN 60439-1	EN 60529
EN 50298	

Approvals

-  UL types 3, 3R, 3S, 4, 4X, 6, 12 and 13
-  CSA types 3, 3R, 3S, 4, 4X, 6, 12 and 13
-  AS 3132-1991 (Australian Standards)

Features





- VJ-boxes are designed in accordance with the Joint Industrial Council (JIC) - USA.
- The VJ-range consists of seven box sizes in three versions:
 - with screw cover
 - with stainless steel hinges
 - with plastic hinges
- The bases and covers are made of grey (RAL 7036), hot moulded, glass fibre reinforced polyester, dyed in mass. They come complete with 4 threaded inserts (Dodge) for fixing a mounting plate.
- Gaskets that guarantee an optimal tightness degree, are made of polyurethane foam.
- All fixing hardware is made of stainless steel.
- The box can be readily worked with conventional tools, such as drills, cutting mills, saws, punches, etc.
- Versatile service conditions: polyester enclosures can withstand continuous temperatures up to 70°C (158°F) (peak temperatures up to 150°C or 302°F)
- VJ-boxes provide optimum security to both operators and equipment because they feature total insulation and protection degree IP67/IP66 according to IEC 60529 (IP68 on demand)
- Protection degree IK10 against external mechanical impacts according to EN 50102. This protection degree covers the total volume of the enclosure according to EN 50298.
- VJ polyester boxes are maintenance-free and corrosion resistant.
- Rated insulation voltage $U_i = 1000V$
- VJ-boxes are UL listed, as per UL Standard 508 and CSA approved as per C22.2 nr. 94 types 3, 3R, 3S, 4, 4X, 6, 12 and 13.

Special versions

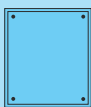
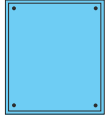
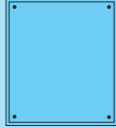


With air vents
With inset polycarbonate window (226 x 175 mm.)

Polyester NEMA sized boxes

						
	Type	VJ 606	VJ 806	VJ 1008	VJ 1210	
	Box with polyester cover □ IP67 ⁽¹⁾ With fixing screws	H x W x D, inch	7.3 x 7.3 x 5.0	9.3 x 7.3 x 5.0	11.3 x 9.3 x 5.4	13.3 x 11.3 x 5.6
		H x W x D, mm	186 x 186 x 126	236 x 186 x 126	287 x 236 x 138	338 x 287 x 142
		Ref. No.	VJ606W	VJ806W	VJ1008W	VJ1210W
		Weight (kg)	1.280	1.500	2.100	2.820
	Box with hinged cover □ IP67 With stainless steel hinges and padlockable latch(es) with twist padlockable quick release latch	H x W x D, inch	7.3 x 7.3 x 5.0	9.3 x 7.3 x 5.0	11.3 x 9.3 x 5.4	13.3 x 11.3 x 5.6
		H x W x D, mm	186 x 186 x 126	236 x 186 x 126	287 x 236 x 138	338 x 287 x 142
		Ref. No.	VJ606HW	VJ806HW	VJ1008HW	VJ1210HW
		Ref. No.	VJ606HWPL	VJ806HWPL	VJ1008HWPL	VJ1210HWPL
		Ref. No.	VJ606HWTPL	VJ806HWTPL	VJ1008HWTPL	VJ1210HWTPL
		Weight (kg)	1.280	1.500	2.100	2.820
	Box with hinged cover □ IP67 With plastic hinges with padlockable latch(es) with twist padlockable quick release latch	H x W x D, inch	7.3 x 7.3 x 5.0	9.3 x 7.3 x 5.0	11.3 x 9.3 x 5.4	13.3 x 11.3 x 5.6
		H x W x D, mm	186 x 186 x 126	236 x 186 x 126	287 x 236 x 138	338 x 287 x 142
		Ref. No.	VJ606NHW	VJ806NHW	VJ1008NHW	VJ1210NHW
		Ref. No.	VJ606NHWPL	VJ806NHWPL	VJ1008NHWPL	VJ1210NHWPL
		Ref. No.	VJ606NHWTPPL	VJ806NHWTPPL	VJ1008NHWTPPL	VJ1210NHWTPPL
		Weight (kg)	1.359	1.579	2.179	2.899
	Box with raised polyester cover □ IP67 ⁽¹⁾ With fixing screws	H x W x D, inch			11.3 x 9.3 x 6.9	13.3 x 11.3 x 7.1
		H x W x D, mm	-	-	287 x 236 x 176	338 x 287 x 180
		Ref. No.	-	-	RVJ1008W	RVJ1210W
		Weight (kg)	-	-	2.220	2.940
	Box with hinged raised cover □ IP67 With stainless steel hinges and padlockable latch(es)	H x W x D, inch			11.3 x 9.3 x 6.9	13.3 x 11.3 x 7.1
		H x W x D, mm	-	-	287 x 236 x 176	338 x 287 x 180
		Ref. No.	-	-	RVJ1008HW	RVJ1210HW
		Ref. No.	-	-	RVJ1008HWPL	RVJ1210HWPL
	Box with hinged raised cover □ IP67 With plastic hinges with padlockable latch(es) with twist padlockable quick release latch	H x W x D, inch			11.3 x 9.3 x 6.9	13.3 x 11.3 x 7.1
		H x W x D, mm	-	-	287 x 236 x 176	338 x 287 x 180
		Ref. No.	-	-	RVJ1008NHW	RVJ1210NHW
		Ref. No.	-	-	RVJ1008NHWPL	RVJ1210NHWPL
		Ref. No.	-	-	RVJ1008NHWTPPL	RVJ1210NHWTPPL
		Weight (kg)	-	-	2.299	3.019
	Mounting plate Aluminum Non-Metallic 3mm / 0.1in. Non-Metallic 6mm / 0.2in. Steel	H x W, inch	4.9 x 4.9	6.8 x 4.9	8.7 x 6.9	10.7 x 8.9
		H x W, mm	124 x 124	172 x 124	222 x 175	273 x 226
		Ref. No.	MP606A	MP806A	MP1008A	MP1210A
		Ref. No.	MP606N	MP806N	MP1008N	MP1210N
		Ref. No.	MP606NT	MP806NT	MP1008NT	MP1210NT
		Ref. No.	MP606S	MP806S	MP1008S	MP1210S

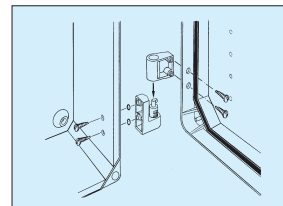
(1) IP68 on request.

		
VJ 1412	VJ 1614	VJ 1816
15.3 x 13.3 x 6.7	17.3 x 15.3 x 6.7	19.3 x 17.3 x 9.6
389 x 338 x 170	440 x 389 x 170	491 x 440 x 243
VJ1412W	VJ1614W	VJ1816W
3.860	4.720	6.240
15.3 x 13.3 x 6.7	17.3 x 15.3 x 6.7	19.3 x 17.3 x 9.6
389 x 338 x 170	440 x 389 x 170	491 x 440 x 243
VJ1412HW	VJ1614HW	VJ1816HW
VJ1412HWPL	VJ1614HWPL	VJ1816HWPL
VJ1412HWTPL	VJ1614HWTPL	VJ1816HWTPL
3.860	4.720	6.240
15.3 x 13.3 x 6.7	17.3 x 15.3 x 6.7	19.3 x 17.3 x 9.6
389 x 338 x 170	440 x 389 x 170	491 x 440 x 243
VJ1412NHW	VJ1614NHW	VJ1816NHW
VJ1412NHWPL	VJ1614NHWPL	VJ1816NHWPL
VJ1412NHWTPPL	VJ1614NHWPL	VJ1816NHWPL
3.939	4.799	6.319
15.3 x 13.3 x 8.2	17.3 x 15.3 x 8.2	19.3 x 17.3 x 11.1
389 x 338 x 208	440 x 389 x 208	491 x 440 x 281
RVJ1412W	RVJ1614W	RVJ1816W
3.980	4.900	6.740
15.3 x 13.3 x 8.2	17.3 x 15.3 x 8.2	19.3 x 17.3 x 11.1
389 x 338 x 208	440 x 389 x 208	491 x 440 x 281
RVJ1412HW	RVJ1614HW	RVJ1816HW
RVJ1412HWPL	RVJ1614HWPL	RVJ1816HWPL
3.980	4.900	6.740
15.3 x 13.3 x 8.2	17.3 x 15.3 x 8.2	19.3 x 17.3 x 11.1
389 x 338 x 208	440 x 389 x 208	491 x 440 x 281
RVJ1412NHW	RVJ1614NHW	RVJ1816NHW
RVJ1412NHWPL	RVJ1614NHWPL	RVJ1816NHWPL
RVJ1412NHWTPPL	RVJ1614NHWTPPL	RVJ1816NHWTPPL
4.059	4.979	6.820
12.8x10.9	14.8x10.9	16.7 x 10.9
324 x 276	375 x 327	425 x 378
MP1412A	MP1614A	MP1618A
MP1412N	MP1614N	MP1618N
MP1412NT	MP1614NT	MP1618NT
MP1412S	MP1614S	MP1618S

Accessories

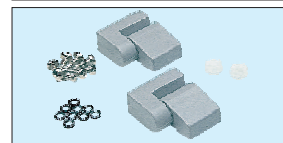
Hinges

The VJ-Box plastic hinges allow the cover to open at an angle exceeding 180°. The cover can be lifted off and reinstalled without the use of a tool, which substantially reduces the operations within the cover. By simply adjusting one of the pivot parts, the cover becomes unremovable.



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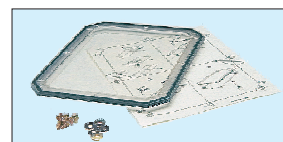
Set of 2 pieces



Surface mounted windows

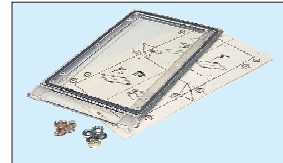
SW97 1

Screwed IP67
H x W = 262 x 211



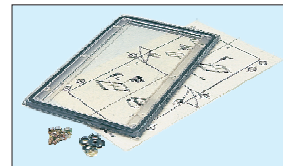
SW64 1

Screwed IP67 with indication strip
H x W = 240 x 139 mm



SW84X 1

Screwed IP67 without indication strip
H x W = 217 x 139 mm.



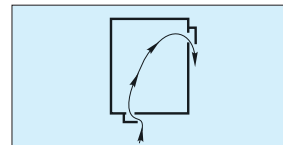
Air vents IP44

Two air vents must be mounted per enclosure to ensure sufficient air circulation and prevent condensation water. Complete with template and screws. The air vents are preferably mounted in the upper and lower part of the box.



10000-010 1

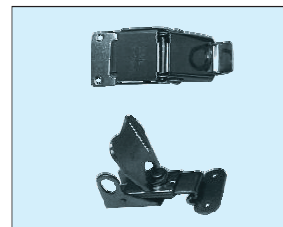
Set of two pieces in polyamide.
RAL 7036



316 stainless steel latches

VJPLX 1

Padlockable latch



VJTPL 1

Twist padlockable quick release latch

1) Windows are CSA when factory installed