



## 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




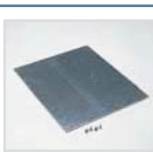
- VJ-boxes are designed in accordance with the Joint Industrial Council (JIC) - USA.
- The VJ-range consists of seven box sizes in three versions:
  - with screw cover
  - with stainless steel hinges
  - with plastic hinges
- The bases and covers are made of grey (RAL 7036), hot moulded, glass fibre 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

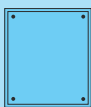
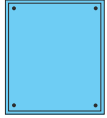
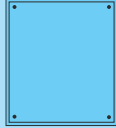


With air vents  
With inset polycarbonate window  
(226 x 175 mm.)

**Polyester NEMA sized boxes**

						
	Type	VJ 606	VJ 806	VJ 1008	VJ 1210	
	<b>Box with polyester cover</b> □ IP67 <sup>(1)</sup> 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.	<b>VJ606W</b>	<b>VJ806W</b>	<b>VJ1008W</b>	<b>VJ1210W</b>
		Weight (kg)	1.280	1.500	2.100	2.820
	<b>Box with hinged cover</b> □ 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.	<b>VJ606HW</b>	<b>VJ806HW</b>	<b>VJ1008HW</b>	<b>VJ1210HW</b>
		Ref. No.	<b>VJ606HWPL</b>	<b>VJ806HWPL</b>	<b>VJ1008HWPL</b>	<b>VJ1210HWPL</b>
		Ref. No.	<b>VJ606HWTPL</b>	<b>VJ806HWTPL</b>	<b>VJ1008HWTPL</b>	<b>VJ1210HWTPL</b>
		Weight (kg)	1.280	1.500	2.100	2.820
	<b>Box with hinged cover</b> □ 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.	<b>VJ606NHW</b>	<b>VJ806NHW</b>	<b>VJ1008NHW</b>	<b>VJ1210NHW</b>
		Ref. No.	<b>VJ606NHWPL</b>	<b>VJ806NHWPL</b>	<b>VJ1008NHWPL</b>	<b>VJ1210NHWPL</b>
		Ref. No.	<b>VJ606NHWTPPL</b>	<b>VJ806NHWTPPL</b>	<b>VJ1008NHWTPPL</b>	<b>VJ1210NHWTPPL</b>
		Weight (kg)	1.359	1.579	2.179	2.899
	<b>Box with raised polyester cover</b> □ IP67 <sup>(1)</sup> 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.	-	-	<b>RVJ1008W</b>	<b>RVJ1210W</b>
		Weight (kg)	-	-	2.220	2.940
	<b>Box with hinged raised cover</b> □ 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.	-	-	<b>RVJ1008HW</b>	<b>RVJ1210HW</b>
		Ref. No.	-	-	<b>RVJ1008HWPL</b>	<b>RVJ1210HWPL</b>
	<b>Box with hinged raised cover</b> □ 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.	-	-	<b>RVJ1008NHW</b>	<b>RVJ1210NHW</b>
		Ref. No.	-	-	<b>RVJ1008NHWPL</b>	<b>RVJ1210NHWPL</b>
		Ref. No.	-	-	<b>RVJ1008NHWTPPL</b>	<b>RVJ1210NHWTPPL</b>
		Weight (kg)	-	-	2.299	3.019
	<b>Mounting plate</b> 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.	<b>MP606A</b>	<b>MP806A</b>	<b>MP1008A</b>	<b>MP1210A</b>
		Ref. No.	<b>MP606N</b>	<b>MP806N</b>	<b>MP1008N</b>	<b>MP1210N</b>
		Ref. No.	<b>MP606NT</b>	<b>MP806NT</b>	<b>MP1008NT</b>	<b>MP1210NT</b>
		Ref. No.	<b>MP606S</b>	<b>MP806S</b>	<b>MP1008S</b>	<b>MP1210S</b>

(1) IP68 on request.

		
<b>VJ 1412</b>	<b>VJ 1614</b>	<b>VJ 1816</b>
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
<b>VJ1412W</b>	<b>VJ1614W</b>	<b>VJ1816W</b>
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
<b>VJ1412HW</b>	<b>VJ1614HW</b>	<b>VJ1816HW</b>
<b>VJ1412HWPL</b>	<b>VJ1614HWPL</b>	<b>VJ1816HWPL</b>
<b>VJ1412HWTPL</b>	<b>VJ1614HWTPL</b>	<b>VJ1816HWTPL</b>
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
<b>VJ1412NHW</b>	<b>VJ1614NHW</b>	<b>VJ1816NHW</b>
<b>VJ1412NHWPL</b>	<b>VJ1614NHWPL</b>	<b>VJ1816NHWPL</b>
<b>VJ1412NHWTPPL</b>	<b>VJ1614NHWPL</b>	<b>VJ1816NHWPL</b>
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
<b>RVJ1412W</b>	<b>RVJ1614W</b>	<b>RVJ1816W</b>
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
<b>RVJ1412HW</b>	<b>RVJ1614HW</b>	<b>RVJ1816HW</b>
<b>RVJ1412HWPL</b>	<b>RVJ1614HWPL</b>	<b>RVJ1816HWPL</b>
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
<b>RVJ1412NHW</b>	<b>RVJ1614NHW</b>	<b>RVJ1816NHW</b>
<b>RVJ1412NHWPL</b>	<b>RVJ1614NHWPL</b>	<b>RVJ1816NHWPL</b>
<b>RVJ1412NHWTPPL</b>	<b>RVJ1614NHWTPPL</b>	<b>RVJ1816NHWTPPL</b>
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
<b>MP1412A</b>	<b>MP1614A</b>	<b>MP1618A</b>
<b>MP1412N</b>	<b>MP1614N</b>	<b>MP1618N</b>
<b>MP1412NT</b>	<b>MP1614NT</b>	<b>MP1618NT</b>
<b>MP1412S</b>	<b>MP1614S</b>	<b>MP1618S</b>

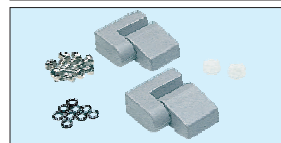
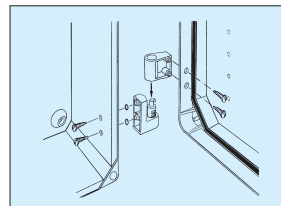
## Accessories

### 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.

80200-010 1

Set of 2 pieces



### Surface mounted windows

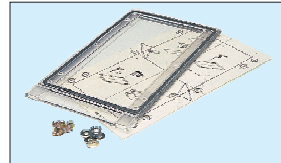
SW97 1

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.

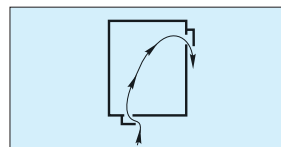
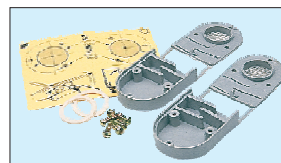


### Air vents IP44

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