



WORLD CLASS SOLUTIONS

ECONOMY SERIES 100% Quality Control Tested

WATERPROOF SUMERSIBLE NEMA 6 / 6P ENCLOSURES

Light Duty Enclosures
304 & 316L Stainless Steel
Wall/Pole Mount Kit

NEMACO™

SUBMERSIBLE APPLICATIONS:

NEMACO offers top-quality NEMA 6P (IP67/IP68) stainless steel enclosures and junction/pull boxes, designed for superior durability in demanding environments. These submersible enclosures provide outstanding protection against corrosion and water intrusion, even during occasional or continuous submersion. They are widely used across various industries, including Communications, Electrical Power, Transit, Signaling and Rail Control, Water Treatment Facilities, Security, and Marine Electronics.

NEMACO's NEMA 6P enclosures are the ideal solution for applications that require both waterproofing and corrosion resistance. With an IP68 rating, they can be submerged under limited depths of water, making them highly reliable in wet and challenging conditions. NEMACO offers a range of materials for the NEMA 6P series, including stainless steel, powder-coated aluminum alloys, and FRP (fiberglass reinforced plastic). All materials adhere to the NEMA 250 standard, ensuring excellent corrosion resistance and waterproofing for even the most demanding applications.

INDUSTRY STANDARDS:

- UL 50 and UL 50E; File Number E496085
- cUL listed per CSA C22.2 No. 94
- CSA C22.2 No. 94.1-15 and 94.2-15
- NEMA/EMAC: Types 6 and 6P
- IEC 60529 Type IP67 and IP68



STANDARD FEATURES:

- **Lightweight & Durable:** Engineered to be strong yet lightweight, these enclosures are ideal for corrosive environments, providing long-lasting protection.
- **Corrosion Resistance:** Made from 304 or 316L stainless steel, offering excellent corrosion resistance and reducing surface oxidation.
- **Stainless Steel Passivation:** Each enclosure undergoes a passivation cleaning process to remove weld oxidation and surface contamination, ensuring superior durability and long-lasting protection.
- **Floating Hinges:** Designed with floating hinges for easy opening and closing of the enclosure door while maintaining consistent door compression for a reliable seal.
- **High-Temperature Silicone Gasket:** A UL-recognized high-temperature silicone gasket in a single continuous piece provides optimal resistance to oils, contaminants, and saltwater. Operating temperature range: -55°C to 200°C.
- **Watertight Seal:** Each enclosure is labeled with bolt torque specifications to ensure proper sealing and achieve a perfect watertight seal.
- **Fully Welded Seams:** All seams are fully welded, inspected, and ground smooth for structural integrity and optimal protection.
- **Submersion Testing:** Enclosures undergo a 24-hour submersion test at 15 feet using pneumatic pressure or positive vacuum to ensure reliability under submerged conditions.
- **Traceability:** Each enclosure is assigned a unique serial number for full traceability and quality assurance.

ENCLOSURE SPECIFICATIONS:

- UL-listed NEMA 6P (IP67/IP68) submersion rated enclosures
- Standard 24 hr. at 15ft. factory submersion test
- Buy America Built America compliance
- #4 Grain 304SS/316L Stainless Steel finish
- Stainless Steel passivation clean
- UL recognized continuous silicone gasket
- Heavy duty wall mounting tabs
- 3/8" FNPT test port with SS test plug
- Lifting pads are standard for large enclosures
- 1/4"-20 and 3/8"-16 grounding studs are standard
- Powder coated interior plate (sub-panel)

ACCESSORIES and MODIFICATIONS:

- Interior back panel/sub-panel in different materials
- Alternative door gaskets (VITON/EPDM)
- NEMA 1 interior instrument door
- NEMA 3R or NEMA 4 interior door
- Adjustable 19" rack system and shelves
- Adaptor gland plate with cutouts
- FNPT female threaded hubs
- Cable glands
- Roxtec seal solutions
- Clear window kit (Non-UL option)
- Floor mounting kit
- Exterior and interior powder coat
- Interior passivation clean
- Custom water submersion depth test
- Custom test duration
- Door stopper, 135 degree stay
- Door tamper switch
- Print pocket (large & small)
- Ground bonding strap

NEMA 6P - STAINLESS STEEL SUBMERSIBLE ENCLOSURES

ECONOMY SERIES

316 STAINLESS STEEL NEMA 6P (IP68) ENCLOSURES



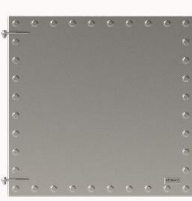
Sample Enclosure Standard Specification
UL listed - NEMA 6P Submersible Enclosure
Series: Economy Series (Light Duty)
Part Number: N6P242412-W1DECS6
Material: 316 Stainless Steel, no coat
Material thk. 10 ga. body, 10 ga. cover
Interior Dim: 24" H x 24" W x 12" D
UL Recognized Silicone Gasket
Bolt-on, hinged cover
(1) 3/8-16x1L ground studs
(1) 3/8 Test port with SS plug
(1) 22x22 back panel, coated steel, white
Standard Stainless Passivation Cleaning
Submersion Performance Test: 24hr. @ 15ft.
ISO17025 instrumentation and equipment.

316 STAINLESS ENCLOSURE STANDARD FEATURES:

- Buy America Built America compliance
- Standard 24 hr. at 15ft. factory submersion test
- #4 Grain 316L Stainless Steel finish
- Stainless Steel passivation clean
- UL recognized continuous silicone gasket
- Heavy duty wall mounting tabs
- 3/8" FNPT test port with SS test plug
- Welded lifting pads
- 1/4"-20 and 3/8"-16 grounding studs are standard
- Powder coated interior plate (sub-panel)

ACCESSORIES:

- Captive machined bolts and hardware
- NEMA 3R door cover latches
- Stainless steel or Aluminum sub-panel
- NEMA 1 interior instrument door
- Adaptor gland plate with cutouts
- FNPT female threaded hubs
- Cable glands
- Roxtec seal solutions
- Exterior and interior powder coat
- Door stopper, 135 degree stay
- Ground bonding strap



Depth	Enclosure		Interior dim,			Exterior dim,			Interior Plate			Bolt size	# of bolts	Hinge	Ground stud	Encl. Weight	IP Rating
	Part Number		H	W	D	H	W	D	Part#	H	W						
4D	N6P040404-W1DECS6		4	4	4	7	7	5	I6P0404-CS	2	2	3/8-16	12	Optional	1/4-20x1L	9.28	IP67/IP68
	N6P060604-W1DECS6		6	6	4	9	9	5	I6P0606-CS	4	4	3/8-16	16	Optional	1/4-20x1L	13.7	IP67/IP68
	N6P080804-W1DECS6		8	8	4	11	11	5	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	18.86	IP67/IP68
	N6P101004-W1DECS6		10	10	4	13	13	5	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	25.75	IP67/IP68
	N6P121204-W1DECS6		12	12	4	15	15	5	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	32.38	IP67/IP68
	N6P141404-W1DECS6		14	14	4	17	17	5	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	39.75	IP67/IP68
	N6P161604-W1DECS6		16	16	4	19	19	5	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	47.88	IP67/IP68
	N6P201604-W1DECS6		20	16	4	24	20	6	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	60.52	IP67/IP68
	N6P202004-W1DECS6		20	20	4	24	24	6	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	70.85	IP67/IP68
6D	N6P242404-W1DECS6		24	24	4	28	28	6	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	93.41	IP67/IP68
	N6P060606-W1DECS6		6	6	6	9	9	7	I6P0606-CS	4	4	3/8-16	16	Optional	1/4-20x1L	15.7	IP67/IP68
	N6P080806-W1DECS6		8	8	6	11	11	7	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	21.51	IP67/IP68
	N6P101006-W1DECS6		10	10	6	13	13	7	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	29.05	IP67/IP68
	N6P121206-W1DECS6		12	12	6	15	15	7	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	36.33	IP67/IP68
	N6P141406-W1DECS6		14	14	6	17	17	7	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	44.35	IP67/IP68
	N6P161606-W1DECS6		16	16	6	19	19	7	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	53.13	IP67/IP68
	N6P201606-W1DECS6		20	16	6	24	20	8	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	66.42	IP67/IP68
	N6P202006-W1DECS6		20	20	6	24	24	8	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	77.4	IP67/IP68
8D	N6P242406-W1DECS6		24	24	6	28	28	8	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	101.26	IP67/IP68
	N6P080808-W1DECS6		8	8	8	11	11	9	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	24.16	IP67/IP68
	N6P101008-W1DECS6		10	10	8	13	13	9	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	32.34	IP67/IP68
	N6P121208-W1DECS6		12	12	8	15	15	9	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	40.28	IP67/IP68
	N6P141408-W1DECS6		14	14	8	17	17	9	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	48.95	IP67/IP68
	N6P161608-W1DECS6		16	16	8	19	19	9	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	58.38	IP67/IP68
	N6P201608-W1DECS6		20	16	8	24	20	10	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	72.31	IP67/IP68
10D	N6P202008-W1DECS6		20	20	8	24	24	10	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	83.95	IP67/IP68
	N6P242408-W1DECS6		24	24	8	28	28	10	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	109.11	IP67/IP68
	N6P101010-W1DECS6		10	10	10	13	13	11	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	35.64	IP67/IP68
	N6P121210-W1DECS6		12	12	10	15	15	11	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	44.23	IP67/IP68
	N6P141410-W1DECS6		14	14	10	17	17	11	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	53.55	IP67/IP68
	N6P161610-W1DECS6		16	16	10	19	19	11	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	63.62	IP67/IP68
12D	N6P201610-W1DECS6		20	16	10	24	20	12	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	78.21	IP67/IP68
	N6P202010-W1DECS6		20	20	10	24	24	12	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	90.49	IP67/IP68
	N6P242410-W1DECS6		24	24	10	28	28	12	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	116.96	IP67/IP68
	N6P121212-W1DECS6		12	12	12	15	15	13	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	48.17	IP67/IP68
	N6P141412-W1DECS6		14	14	12	17	17	13	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	58.14	IP67/IP68
	N6P161612-W1DECS6		16	16	12	19	19	13	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	68.87	IP67/IP68
	N6P201612-W1DECS6		20	16	12	24	20	14	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	84.11	IP67/IP68
	N6P202012-W1DECS6		20	20	12	24	24	14	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	97.04	IP67/IP68
	N6P242412-W1DECS6		24	24	12	28	28	14	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	124.81	IP67/IP68

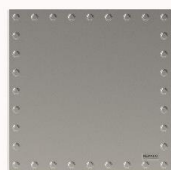
NEMA 6P - STAINLESS STEEL SUBMERSIBLE ENCLOSURES

ECONOMY SERIES

304 STAINLESS STEEL NEMA 6P (IP68) ENCLOSURES



Sample Enclosure Standard Specification
UL listed - NEMA 6P Submersible Enclosure
Series: Economy Series (Light Duty)
Part Number: N6P202008-W1DECS4
Material: 304 Stainless Steel, no coat
Material thk. 10 ga. body, 10 ga. cover
Interior Dim: 20" H x 20" W x 8" D
UL Recognized Silicone Gasket
Bolt-on, Lift off Cover
(1) 3/8-16x1L ground studs
(1) 3/8 Test port with SS plug
(1) 22x22 back panel, coated steel, white
Standard Stainless Passivation Cleaning
Submersion Performance Test: 24hr. @ 15ft.
ISO17025 instrumentation and equipment.



304 STAINLESS ENCLOSURE STANDARD FEATURES:

- Buy America Built America compliance
- Standard 24 hr. at 15ft. factory submersion test
- #4 Grain 304 Stainless Steel finish
- Stainless Steel passivation clean
- UL recognized continuous silicone gasket
- Heavy duty wall mounting tabs
- 3/8" FNPT test port with SS test plug
- Welded lifting pads
- 1/4"-20 and 3/8"-16 grounding studs are standard
- Powder coated interior plate (sub-panel)

ACCESSORIES:

- Captive machined bolts and hardware
- NEMA 3R door cover latches
- Stainless steel or Aluminum sub-panel
- NEMA 1 interior instrument door
- Adaptor gland plate with cutouts
- FNPT female threaded hubs
- Cable glands
- Roxtec seal solutions
- Exterior and interior powder coat
- Door stopper, 135 degree stay
- Ground bonding strap

	Enclosure	Interior dim,			Exterior dim,			Interior Plate			Bolt size	# of bolts	Hinge	Ground stud	Encl. Weight	IP Rating
Depth	Part Number	H	W	D	H	W	D	Part#	H	W						
4D	N6P040404-W1DECS4	4	4	4	7	7	5	I6P0404-CS	2	2	3/8-16	12	Optional	1/4-20x1L	9.28	IP67/IP68
	N6P060604-W1DECS4	6	6	4	9	9	5	I6P0606-CS	4	4	3/8-16	16	Optional	1/4-20x1L	13.7	IP67/IP68
	N6P080804-W1DECS4	8	8	4	11	11	5	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	18.86	IP67/IP68
	N6P101004-W1DECS4	10	10	4	13	13	5	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	25.75	IP67/IP68
	N6P121204-W1DECS4	12	12	4	15	15	5	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	32.38	IP67/IP68
	N6P141404-W1DECS4	14	14	4	17	17	5	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	39.75	IP67/IP68
	N6P161604-W1DECS4	16	16	4	19	19	5	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	47.88	IP67/IP68
	N6P201604-W1DECS4	20	16	4	24	20	6	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	60.52	IP67/IP68
	N6P202004-W1DECS4	20	20	4	24	24	6	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	70.85	IP67/IP68
N6P242404-W1DECS4	24	24	4	28	28	6	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	93.41	IP67/IP68	
6D	N6P060606-W1DECS4	6	6	6	9	9	7	I6P0606-CS	4	4	3/8-16	16	Optional	1/4-20x1L	15.7	IP67/IP68
	N6P080806-W1DECS4	8	8	6	11	11	7	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	21.51	IP67/IP68
	N6P101006-W1DECS4	10	10	6	13	13	7	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	29.05	IP67/IP68
	N6P121206-W1DECS4	12	12	6	15	15	7	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	36.33	IP67/IP68
	N6P141406-W1DECS4	14	14	6	17	17	7	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	44.35	IP67/IP68
	N6P161606-W1DECS4	16	16	6	19	19	7	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	53.13	IP67/IP68
	N6P201606-W1DECS4	20	16	6	24	20	8	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	66.42	IP67/IP68
	N6P202006-W1DECS4	20	20	6	24	24	8	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	77.4	IP67/IP68
	N6P242406-W1DECS4	24	24	6	28	28	8	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	101.26	IP67/IP68
8D	N6P080808-W1DECS4	8	8	8	11	11	9	I6P0808-CS	6	6	3/8-16	20	Optional	1/4-20x1L	24.16	IP67/IP68
	N6P101008-W1DECS4	10	10	8	13	13	9	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	32.34	IP67/IP68
	N6P121208-W1DECS4	12	12	8	15	15	9	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	40.28	IP67/IP68
	N6P141408-W1DECS4	14	14	8	17	17	9	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	48.95	IP67/IP68
	N6P161608-W1DECS4	16	16	8	19	19	9	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	58.38	IP67/IP68
	N6P201608-W1DECS4	20	16	8	24	20	10	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	72.31	IP67/IP68
	N6P202008-W1DECS4	20	20	8	24	24	10	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	83.95	IP67/IP68
	N6P242408-W1DECS4	24	24	8	28	28	10	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	109.11	IP67/IP68
10D	N6P101010-W1DECS4	10	10	10	13	13	11	I6P1010-CS	8	8	3/8-16	24	Optional	1/4-20x1L	35.64	IP67/IP68
	N6P121210-W1DECS4	12	12	10	15	15	11	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	44.23	IP67/IP68
	N6P141410-W1DECS4	14	14	10	17	17	11	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	53.55	IP67/IP68
	N6P161610-W1DECS4	16	16	10	19	19	11	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	63.62	IP67/IP68
	N6P201610-W1DECS4	20	16	10	24	20	12	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	78.21	IP67/IP68
	N6P202010-W1DECS4	20	20	10	24	24	12	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	90.49	IP67/IP68
	N6P242410-W1DECS4	24	24	10	28	28	12	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	116.96	IP67/IP68
12D	N6P121212-W1DECS4	12	12	12	15	15	13	I6P1212-CS	10	10	3/8-16	28	Optional	1/4-20x1L	48.17	IP67/IP68
	N6P141412-W1DECS4	14	14	12	17	17	13	I6P1414-CS	12	12	3/8-16	34	Optional	1/4-20x1L	58.14	IP67/IP68
	N6P161612-W1DECS4	16	16	12	19	19	13	I6P1616-CS	14	14	3/8-16	32	Optional	1/4-20x1L	68.87	IP67/IP68
	N6P201612-W1DECS4	20	16	12	24	20	14	I6P2016-CS	18	14	1/2-13	30	Standard	3/8-16x1L	84.11	IP67/IP68
	N6P202012-W1DECS4	20	20	12	24	24	14	I6P2020-CS	18	18	1/2-13	32	Standard	3/8-16x1L	97.04	IP67/IP68
	N6P242412-W1DECS4	24	24	12	28	28	14	I6P2424-CS	22	22	1/2-13	36	Standard	3/8-16x1L	124.81	IP67/IP68