



Cla-Cover

Aluminum Enclosure



HEAT & VENTILATION OPTIONS



READY-TO-SHIP



CUSTOM SOLUTIONS

Introducing Cla-Cover Enclosures

Cla-Val manufactures the finest automated control valves on the market.

And now, we're excited to introduce Cla-Cover aluminum enclosures specifically designed for Cla-Val control valves. Winter cold or summer heat, Cla-Val and Cla-Cover together provide superior performance and peace of mind for Cla-Val customers anywhere in the world, regardless of climate.

The Cla-Cover Advantage

Designed exactly to Cla-Val control valve specifications

These enclosures are manufactured to Cla-Val's standard control valve sizing, from 4 to 16 inches.

No guesswork, no measuring: If you have a Cla-Val, you can get a tailor-made Cla-Cover for it.

Made with industry-leading materials

Cla-Covers are constructed with marine grade aluminum and sealed-on polyisocyanurate insulation for an R9 value on the sides and R18 on the top and bottom panels. They're also braced with sustainable, durable California redwood. These covers meet ASSE 1060 standards, are certified for freeze protection and also feature a leak detection system for easy inspection.

Cla-Covers aren't just built to last, they're built to withstand some of the harshest conditions winter can offer.



Designed with real life in mind

These enclosures will not compromise practicality for security. We've partnered with industry experts to engineer Cla-Covers for easy installation, access and servicing, all while providing best-in-class protection for your equipment from vandals, thieves and the elements.

Ready-to-ship

Cla-Covers are in stock and available to ship from our warehouse within two weeks, the best turnaround time in the enclosure industry.

Available heat and ventilation options

Each enclosure can be outfitted with an available wall-mounted heater or heat cable based on size and scenario. Available fan and louver options also help keep ACVs regulated under the relentless summer sun.

Available color and graphics options

Cla-Covers are available in four standard colors, as well as with options for custom vinyl-wrapped graphics. They can be ordered to blend in, or designed to stand out!

Custom solutions also available

Need an enclosure for a custom Cla-Val control valve project? We can design the perfect to-spec solution and have it shipped directly to your installation site, all without compromising on quality.

Leading materials, easy installation, peace of mind. Cla-Cover is a common sense investment in your customers' Cla-Val products and assurance of peak performance for years to come.



Cla-Cover Enclosure Details

Materials

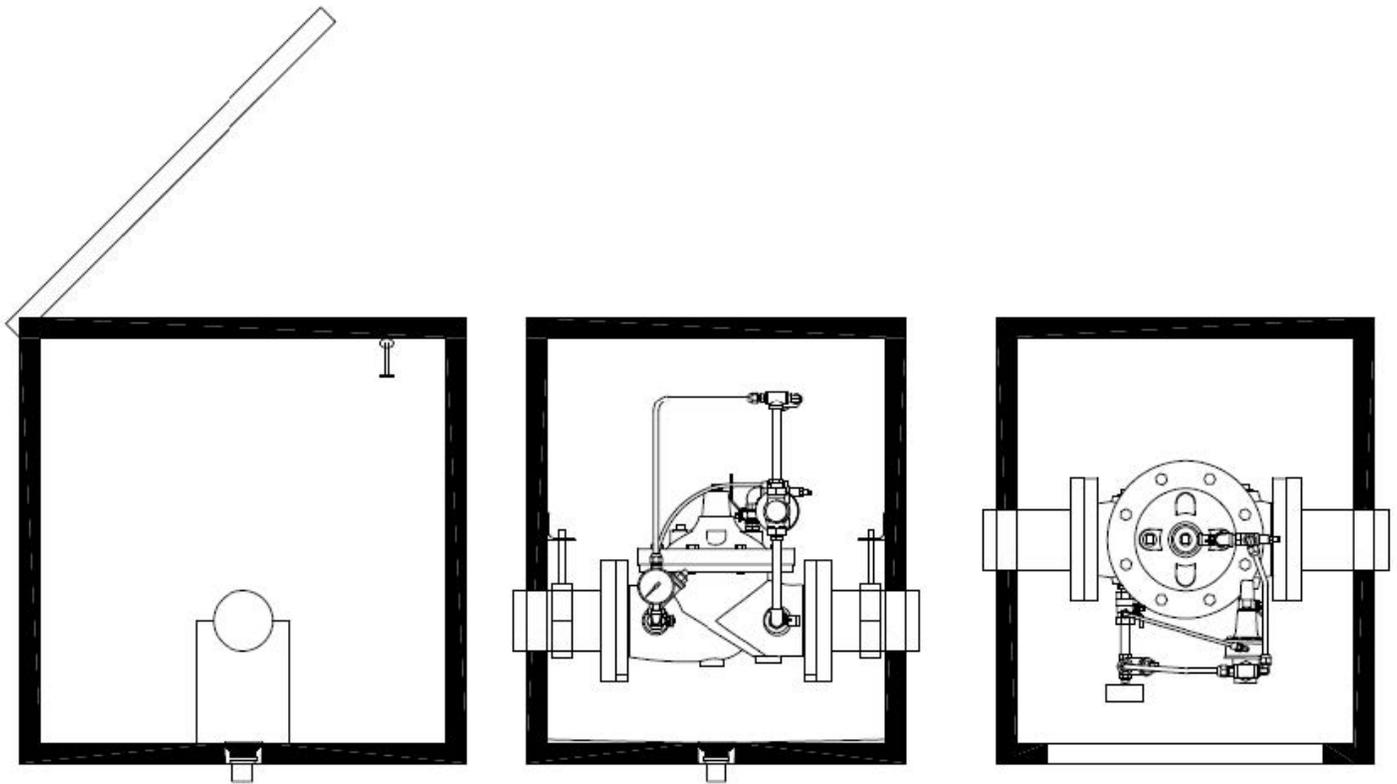
- Roof, floor, and wall panels – 5052-H32 marine grade aluminum (.050/18 gauge), mill finish, ASTM B209 outside
- Stainless steel drain.
- Insulation 1½" (9 "R" value) minimum thickness polyisocyanurate foam laminated to a glass fiber reinforced facer (each side), non-wicking
- Mounting hardware to attach to piping system
- Insulated patch panels, hinged roof, and removable doors

Standards

- ASSE 1060
- ASTM B209

Description

The enclosure is designed to provide freeze and vandal protection of above ground Cla-Val PRV equipment. The enclosure provides for safe and easy testing and maintenance. The enclosure disassembles easily if full equipment replacement is needed.



Dimensions

Model	Inside Dimensions			Outside Dimensions			Ship Weight	Access Panel
	W	L	H	W	L	H		
4" Cla-Cover	30	30	30	33	33	35		1
6" Cla-Cover	44	32	44	47	36	49		1
8" Cla-Cover	48	36	48	51	39	53		1
10" Cla-Cover	52	42	52	55	45	57		1
12" Cla-Cover	56	46	56	59	49	61		1
14" Cla-Cover	Please contact Cla-Val							
16" Cla-Cover								



Protective Enclosure Specification

PART 1 GENERAL

1.1 WORK INCLUDED

- A. Provide manufactured Control Valve Enclosure.

1.2 QUALITY ASSURANCE

- A. Qualifications: The Control Valve Enclosure manufacturer shall be a company specializing in the manufacture of Protective Aluminum Enclosures with at least 25 years of successful experience designing and selling enclosures to various customers in different climatic regions.

1.3 STORAGE AND HANDLING

- A. Store products in shipping containers and maintain in dry place until installation.

1.4 ACCEPTABLE MANUFACTURERS

- A. **Cla-Cover, Safe-T-Cover™** or Engineer approved equal.

1.5 REFERENCES

- A. ASTM B209.
- B. ASSE 1060-Performance Requirements for Outdoor Enclosures for Control Valves.

PART 2 PRODUCTS

2.1 MODEL NO. & SIZE

- A. Model No. shall be standard Cla-Cover or custom model number.
- B. Inside dimensions shall be standard Cla-Cover or custom dimensions.

2.2 MATERIALS OF FABRICATION

- A. Material of fabrication shall be 5052-H32 marine grade aluminum (.050/18 gauge), mill finish and shall meet ASTM B209.
- B. Insulation shall be 1.5" (9.0 "R" value) minimum thickness polyisocyanurate foam laminated to a glass fiber reinforced facer (each side). The insulation shall have the following properties:
 1. Dimensional Stability-Less than 2% linear change, ASTM D-2126;
 2. Compressive Strength-20PSI, ASTM D-1621;
 3. Water Absorption-Less than 1% by volume, ASTM C-209;
 4. Moisture Vapor Transmission-Less than one (1) perm, ASTM E-96;
 5. Product Density-Nominal 2.0 lbs. per cubic foot, ASTM D-1622;
 6. Flame Spread=25, ASTM E-84;
 7. Service Temperature= -100⁰F to +250⁰F maximum.
 8. The insulation shall be of uniform thickness.
- C. Structural bracing shall be authentic California redwood.

2.3 ROOF, WALLS & PANELS

- A. The roof, walls & panels of the enclosure shall be constructed of 5052-H32 (.050/18 gauge) marine grade aluminum, mill finish, ASTM B209 outside with insulation 1 1/2" (9.0 "R" value) thick in the walls and panels and 3" (18.0 "R" value) thick in the roof.
- B. The aluminum, insulation and CA redwood shall be securely bonded together to form a composite panel.
- C. The aluminum panels shall be provided with a PVC or similar exterior film to prevent damage before installation. The film shall be removed before installation.
- D. The complete Control Valve assembly shall be protected by being inside the enclosure.
- E. The roof (and base if included) shall be securely attached to the walls with screws and inside wind proof connections.
- F. All screws shall attach to CA redwood members.
- G. If the walls of the enclosure extend to the ground they shall be securely attached to the concrete base with inside anchoring brackets.
- H. Access panel(s) shall be completely removable.
- I. Access panel(s) shall be provided with built-in pad lockable folding T-handles.

2.4 Heating Equipment (for base/pad mounted Control Valve enclosures)

- A. Heating equipment shall be furnished and designed by the manufacturer of the enclosure to maintain an interior temperature of +40°F with an outside temperature of -30°F.
- B. The heater shall have two electrical resistance elements completely enclosed within a solid aluminum cast platen base.
- C. The platen heater shall be designed for installation to the concrete base with mounting hardware provided.
- D. The platen heater shall be suitable for installation underneath a reduced pressure zone device and designed to sustain water spray without damage to or impeding the performance of the heater.
- E. The platen heater shall be provided with a thermostat adjustable from +40°F to +100°F. The thermostat, all conduit and wiring fittings provided shall be suitable for "water-tight" installation.
- F. For control valve enclosures with an attached bottom panel installed above the base/pad, a self-regulating heat cable or wall mounted heater may be supplied to keep the control valve piloting at +40°F with an outside temperature of -30°F.

2.5 MOUNTING HARDWARE

- A. Mounting hardware shall be furnished and shall be 300 series stainless steel and/or T-6 aluminum.
- B. All threaded fasteners shall be furnished and shall be 400 series stainless steel and/or Hilti type Tap-Fast w/ Quickcoat™ and Flo Seal washer or equal.
- C. All masonry fasteners shall be furnished and shall be stud type Hilti Kwik Bolt II™ and/or Hilti type Hit Anchors or equal.
- D. All necessary drill bits shall be furnished.

PART 3 INSTALLATION

- A. If enclosure is designed to reach the ground it shall be mounted on a concrete pad custom dimensions.
- B. Enclosure shall be assembled and mounted to concrete pad according to manufacturer's instructions. If enclosure has an included bottom panel it shall be installed according to manufacturer's instructions.
- C. Enclosure shall be assembled and mounted in such a way that it will remain locked and secured even if outside screws are removed.



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